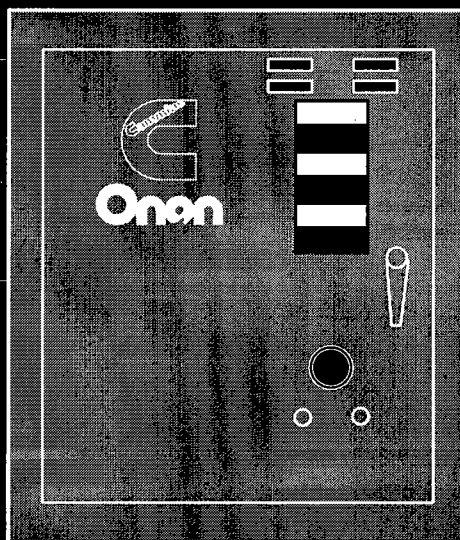




Parts Catalog

OT/ON – CT/CN
40/70/125 Amp

OTIII TRANSFER SWITCH



Printed in U.S.A.

962-0218 (Spec G, H & J) 6-94
Replaces Spec G, H & J 6-93

Introduction

This catalog applies to the OTIII Spec G , H & J Transfer Switches as indicated below. Each illustrated part is identified by a reference number corresponding to the same reference number in the parts list for that group. Parts illustrations are typical. Using the model and spec number from the switch box nameplate, select the parts that apply to your automatic transfer switch. Unless otherwise noted in the parts description, parts are interchangeable between models.

Model Selection Table

OT C U 125 A 00000 G	
Transfer Switch Series OT = 3 Pole ON = 4 Pole	Specification Letter Designates Major Manufacturing Changes
Application Code A = Non-Automatic B = Utility to Utility C = Utility to Generator Set (2 wire) D = Generator Set to Generator Set E = Generator Set to Generator Set (3 wire) F = Remote Control (Slave) G = Remote Control (LRS) H = Utility to Generator Set	Specification Number Factory code designating a combination of accessories
Standards Code U = UL Listed C = CSA Approved N = No Approval Required	Voltage & Frequency Code A = 120 V 60 Hz 1 Ph 2 Wire B = 120/240 V 60 Hz 1 Ph 3 Wire C = 120/208 V 60 Hz 3 Ph 4 Wire D = 120/240 V 60 Hz 3 Ph 4 Wire E = 240/480 V 60 Hz 3 Ph 4 Wire F = 220/380 V 60 Hz 3 Ph 4 Wire G = 277/480 V 60 Hz 3 Ph 4 Wire H = 347/600 V 60 Hz 3 Ph 4 Wire J = 120/240 V 60 Hz 1 Ph 4 Wire K = 416-440,480 V 60 Hz 3 Ph 4 W M = 110/220 V 50 Hz 1 Ph 4 Wire N = 120/240 V 50 Hz 1 Ph 3 Wire P = 120/240 V 50 Hz 1 Ph 4 Wire S = 120/240 V 50 Hz 3 Ph 4 Wire T = 220/380 V 50 Hz 3 Ph 4 Wire U = 240 V 50 Hz 1 Ph 2 Wire Y = 380,400,416 V 50 Hz 3 Ph 4 W R = Special
Ampere Rating 40, 70, 125	

Feature Options can be determined by reading them off the nameplate or by accessing the following screen through the Distributor On-Line computer system. Note that the first digit typed on this screen is a code number corresponding to an individual Onan product (1=Engines, 2=Gensets, 5=Generator Ends, 6=LT's, 7=OT's/BT's) and that the spec number is always kept to the right and zero filled if the spec number is less than five digits.

MAD2
ITEM NO: 702835

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A015	260 Amps Continuous
A029	4 Pole Switch for Program
A035	Utility to Genset
A042	Three Phase (3 or 4 Wire)
A044	60 Hz Frequency
A046	UL Listed

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Feature/Options

Beginning with Spec J, feature option codes applicable to the individual unit are listed on the Transfer Switch Nameplate. The following describes these codes;

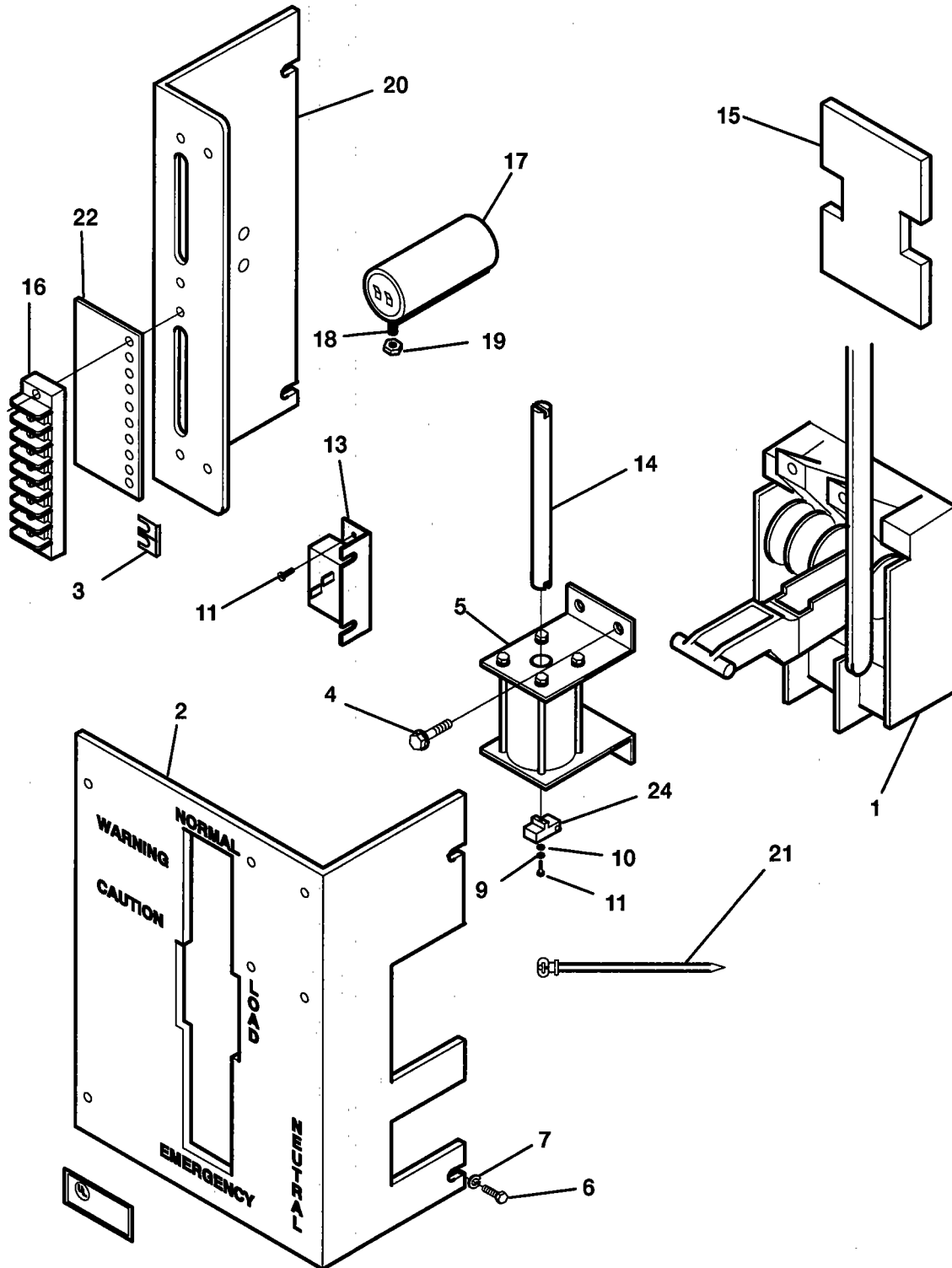
A028	Poles – 3	L004	Auxiliary Relay – Emergency Source
A035	Application – Utility to Genset	L005	Auxiliary Relay – Normal Source
A036	Application – Utility to Utility	L101	Auxiliary Relay – 24 VDC Coil
A037	Application – Genset to Genset	L102	Auxiliary Relay – Emergency Position
A038	Application – Non–Automatic/Remote	L103	Auxiliary Relay – Normal Position
A041	System – 1 Phase 2 or 3 Wire	L104	Auxiliary Relay – Genset Start
A042	System – 3 Phase 3 or 4 Wire	L201	Auxiliary Relay – 12 VDC Coil
A044	Frequency – 60 Hertz	L202	Auxiliary Relay – Emergency Position
A045	Frequency – 50 Hertz	L203	Auxiliary Relay – Normal Position
A046	Listing – UL	L204	Auxiliary Relay – Genset Start
A047	Certification – CSA		
A048	Listing – Not Applicable	M001	Module – Signal
		M002	Module – 3 Wire Start
B001	Cabinet – Type 1	M003	Terminal Block – 30 Place
B002	Cabinet – Type 3R	M004	Monitor – Phase/Sequence Balance
B003	Cabinet – Type 4	M006	Sequencer – Standby Set Start 12 Volt
B004	Construction – Open	M007	Load Shed – From Emergency
		M008	Module – Alarm
C015	Start Time Delay – 90 Seconds	M010	Sequencer – Standby Set Start 24 Volt
C016	Control – Over Voltage & Over/Under Hertz Source 2	N001	Switch – Auto/Manual
C017	Control – Over Voltage & Over/Under Hertz Source 1	N002	Terminal Block – Battery Charger Alarm
		N005	Terminal Block – Source 1/2 Remote Signal
D001	Meters – None	N013	Harness, Extension – 4 Feet
D002	Meters – Door Mounted		
J001	Clock – 7 Day Exerciser	R020	Voltage – 120
J021	Programmed Transition 0.5 to 7.5 Second Delay	R021	Voltage – 208
J022	Programmed Transition 1 to 60 Second Delay	R022	Voltage – 220
		R023	Voltage – 240
		R024	Voltage – 380
		R025	Voltage – 416
K001	Battery Charger – 2 Amp, 12/24 Volt	R026	Voltage – 480
K002	Battery Charger – 10 Amp, 12 Volt	R027	Voltage – 600
K003	Battery Charger – 10 Amp, 24 Volt		
		S046	Current Rating – 40 Amps
L001	Auxiliary Relay – 24 VAC Coil	S047	Current Rating – 70 Amps
L002	Auxiliary Relay – Emergency Position	S048	Current Rating – 125 Amps
L003	Auxiliary Relay – Normal Position		

Abbreviations

Some of the following abbreviations may be used throughout this Parts Catalog;

Alternating Current	AC
Ampere	Amp
As Required	A/R
Automatic Voltage Regulator	AVR
Direct Current	DC
External Tooth	ET
External-Internal Tooth	EIT
Inside Diameter	ID
Internal Tooth	IT
Kilowatt	kW
Liquid Petroleum Gas	LPG
Left	LT
Meter	M(meter number)
Millimeter	mm
Not for sale	NFS
Nominal Pipe Thread	NPT
Outside Diameter	OD
Phase	Ph
Printed Circuit	PC
Right	RT
Specification	Spec
Union National Coarse	UNC
Union National Fine	UNF
Volts Alternating Current	VAC
Volts Direct Current	VDC
With	W/(ET, IT, or EIT)

Transfer Switch Assembly

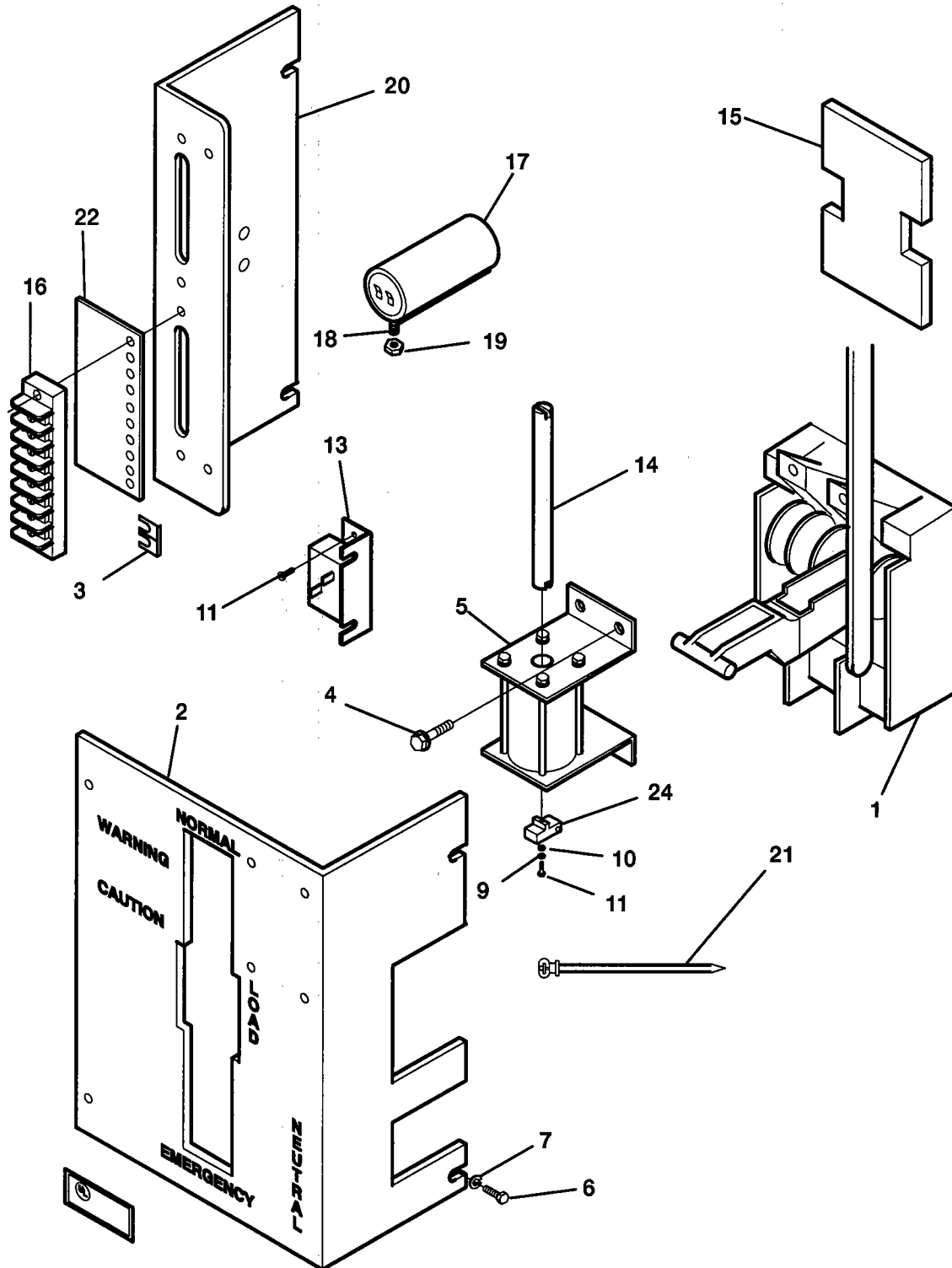


Transfer Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Switch Assembly – Transfer (Includes parts marked *)				
			40 Amp				
			60 Hertz				50 Hertz
306-3485-01	1		120 Volt, 1 Ph, 2 Wire	306-3486-03	1		220 Volt, 1 Ph, 2 Wire
306-3485-03	1		120/240 Volt, 1 Ph, 3 Wire	306-3486-03	1		115/200 Volt, 1 Ph, 3 Wire
306-3485-03	1		120/208 Volt, 3 Ph, 4 Wire	306-3486-03	1		220/380 Volt, 3 Ph, 4 Wire
306-3485-03	1		120/240 Volt, 3 Ph, 4 Wire	306-3486-03	1		120/208 Volt, 3 Ph, 4 Wire
306-3485-06	1		240/480 Volt, 3 Ph, 4 Wire	306-3486-05	1		240/416 Volt, 3 Ph, 4 Wire
306-3485-05	1		220/380 Volt, 3 Ph, 4 Wire				125 Amp
306-3485-06	1		277/480 Volt, 3 Ph, 4 Wire	306-3487-01	1		60 Hertz
306-3485-04	1		347/600 Volt, 3 Ph, 4 Wire	306-3487-03	1		120 Volt, 1 Ph, 2 Wire
			50 Hertz	306-3487-03	1		120/240 Volt, 1 Ph, 3 Wire
306-3485-03	1		220 Volt, 1 Ph, 2 Wire	306-3487-03	1		120/208 Volt, 3 Ph, 4 Wire
306-3485-03	1		115/200 Volt, 1 Ph, 3 Wire	306-3487-03	1		120/240 Volt, 3 Ph, 4 Wire
306-3485-03	1		220/380 Volt, 3 Ph, 4 Wire	306-3487-06	1		240/480 Volt, 3 Ph, 4 Wire
306-3485-03	1		120/208 Volt, 3 Ph, 4 Wire	306-3487-05	1		220/380 Volt, 3 Ph, 4 Wire
306-3485-05	1		240/416 Volt, 3 Ph, 4 Wire	306-3487-06	1		277/480 Volt, 3 Ph, 4 Wire
			70 Amp	306-3487-04	1		347/600 Volt, 3 Ph, 4 Wire
			60 Hertz				50 Hertz
306-3486-01	1		120 Volt, 1 Ph, 2 Wire	306-3487-03	1		220 Volt, 1 Ph, 2 Wire
306-3486-03	1		120/240 Volt, 1 Ph, 3 Wire	306-3487-03	1		115/200 Volt, 1 Ph, 3 Wire
306-3486-03	1		120/208 Volt, 3 Ph, 4 Wire	306-3487-03	1		220/380 Volt, 3 Ph, 4 Wire
306-3486-03	1		120/240 Volt, 3 Ph, 4 Wire	306-3487-03	1		120/208 Volt, 3 Ph, 4 Wire
306-3486-06	1		240/480 Volt, 3 Ph, 4 Wire	306-3487-05	1		240/416 Volt, 3 Ph, 4 Wire
306-3486-05	1		220/380 Volt, 3 Ph, 4 Wire				
306-3486-06	1		277/480 Volt, 3 Ph, 4 Wire				
306-3486-04	1		347/600 Volt, 3 Ph, 4 Wire				

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Transfer Switch Assembly

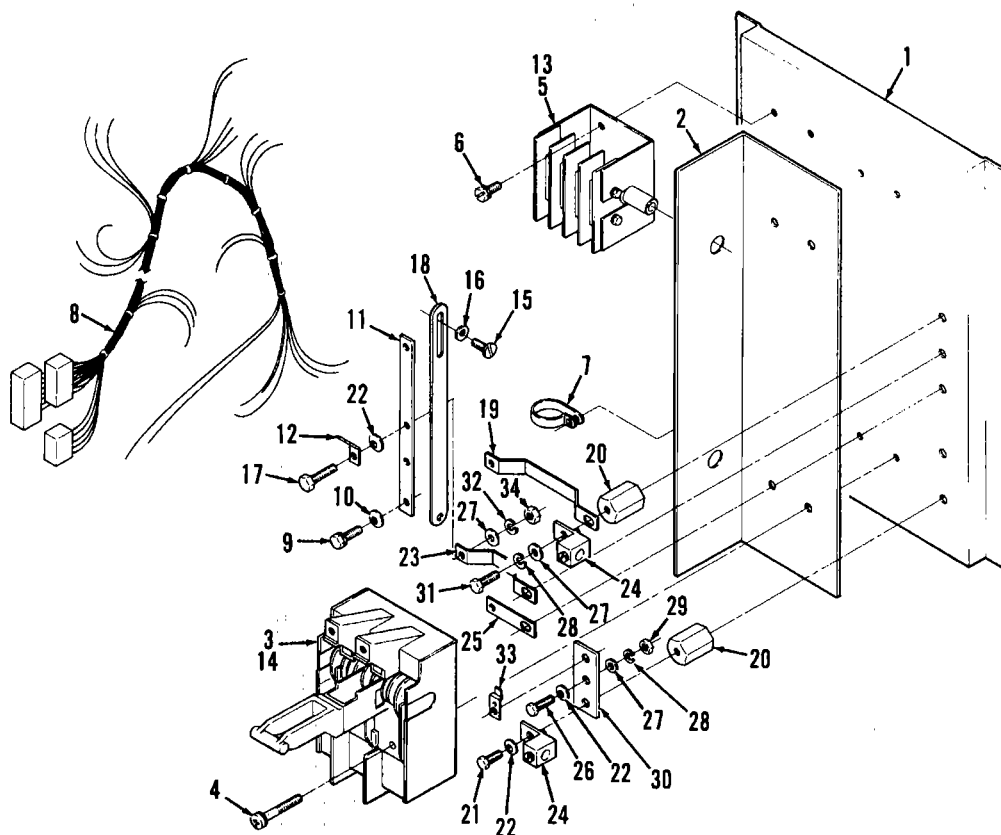


Transfer Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3384	1	*Switch Assembly (See separate page for components)				50 Hertz
2	306-3404	1	*Cover, Contact (Includes Label)		320-0606	1	220 Volt, 1 Ph, 2 Wire
	098-5586	1	*Label		320-0606	1	115/200 Volt, 1 Ph, 3 Wire
3	332-2605	2	*Jumper, Terminal		320-0606	1	220/380 Volt, 3 Ph, 4 Wire
4	821-0005	4	*Screw, Lock - Flange (#10-32 x 1/2)		320-0606	1	120/208 Volt, 3 Ph, 4 Wire
5			*Actuator, Linear		320-0876	1	240/416 Volt, 3 Ph, 4 Wire
			60 Hertz	14	306-3395	1	*Rod, Actuator
	306-3401-01	1	120 Volt, 1 Ph, 2 Wire	15	306-1989	2	*Barrier, Handle
	306-3401-03	1	120/240 Volt, 1 Ph, 3 Wire	16	332-2832	2	*Block, Terminal
	306-3401-03	1	120/208 Volt, 3 Ph, 4 Wire	17			*Capacitor
	306-3401-03	1	120/240 Volt, 3 Ph, 4 Wire		312-0257-03	1	60 Hertz
	306-3401-06	1	240/480 Volt, 3 Ph, 4 Wire		312-0203	1	120 Volt, 1 Ph, 2 Wire
	306-3401-05	1	220/380 Volt, 3 Ph, 4 Wire		312-0203	1	120/240 Volt, 1 Ph, 3 Wire
	306-3401-06	1	277/480 Volt, 3 Ph, 4 Wire		312-0203	1	120/208 Volt, 3 Ph, 4 Wire
	306-3401-03	1	347/600 Volt, 3 Ph, 4 Wire		312-0203	1	120/240 Volt, 3 Ph, 4 Wire
			50 Hertz		312-0257-01	2	240/480 Volt, 3 Ph, 4 Wire
	306-3401-03	1	220 Volt, 1 Ph, 2 Wire		312-0228	2	220/380 Volt, 3 Ph, 4 Wire
	306-3401-03	1	115/200 Volt, 1 Ph, 3 Wire		312-0257-01	2	277/480 Volt, 3 Ph, 4 Wire
	306-3401-03	1	220/380 Volt, 3 Ph, 4 Wire		312-0257-02	2	347/600 Volt, 3 Ph, 4 Wire
	306-3401-03	1	120/208 Volt, 3 Ph, 4 Wire				50 Hertz
	306-3401-05	1	240/416 Volt, 3 Ph, 4 Wire		312-0203	1	220 Volt, 1 Ph, 2 Wire
6	815-0652	6	*Screw, Cap - Hex Head - W/IT (#10-32 x 1/2)		312-0203	1	115/200 Volt, 1 Ph, 3 Wire
7	526-0008	5	*Washer, Flat (#10)		312-0203	1	220/380 Volt, 3 Ph, 4 Wire
8	800-0008	2	*Screw, Cap - Hex Head (1/4-20 x 1-1/4)		312-0203	1	120/208 Volt, 3 Ph, 4 Wire
9	850-0040	2	*Washer, Lock (1/4)	18	815-0029	4	240/416 Volt, 3 Ph, 4 Wire
10	526-0018	2	*Washer, Flat (1/4)	19	870-0131	4	*Screw, Machine - Flat Head (#10-32 x 1/2)
11	815-0651	6	*Screw, Machine - Round Head (#6-32 x 3/4)	20	306-3394	1	*Nut, Hex - W/ET (#10-32)
12	306-3400-01	2	*Rod-End, Actuator	21	332-0942	4	*Bracket, Terminal
13			*Breaker, Circuit	22	332-2903	2	*Tie, Cable
			60 Hertz		821-0028	4	*Strip, Marker
	320-0608	1	120 Volt, 1 Ph, 2 Wire				Screw, Lock (3/8-16 x 1/2) (Not illustrated)
	320-0606	1	120/240 Volt, 1 Ph, 3 Wire		870-0133	4	Nut, Lock (3/8-16) (Not illustrated)
	320-0606	1	120/208 Volt, 3 Ph, 4 Wire				
	320-0606	1	120/240 Volt, 3 Ph, 4 Wire				
	320-0876	1	240/480 Volt, 3 Ph, 4 Wire				
	320-0876	1	220/380 Volt, 3 Ph, 4 Wire				
	320-0876	1	277/480 Volt, 3 Ph, 4 Wire				
	320-0876	1	347/600 Volt, 3 Ph, 4 Wire				

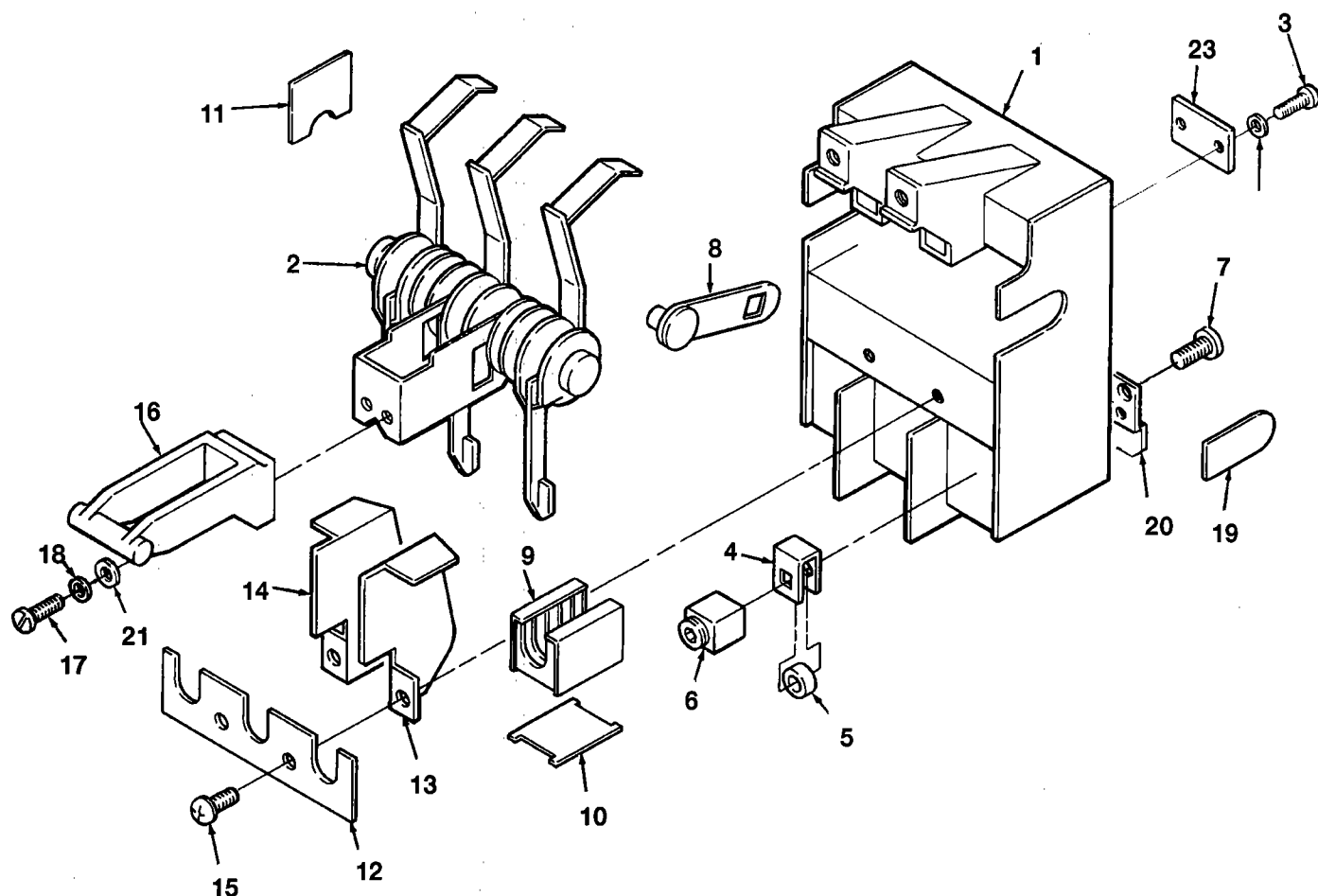
* Parts included in Transfer Switch Assembly

Switch Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	306-3384		Switch Assembly (Includes parts marked *)	16	526-0008	2	*Washer, Flat (#10)
1	306-3399	1	*Base, Mounting	17	815-0180	3	*Screw, Cap - Hex Head (#10-32 x 3/4)
2	306-3403	1	*Barrier, Base	18	306-3397	1	*Bar, Interlock
3	306-2013	1	*Block and Cross Bar Assembly (See separate page for components)	19	337-2315	1	*Bar, Bus - Load
4	815-0653	4	*Screw, Machine - Round Head (#10-32 x 1-3/4)	20	332-2370	5	*Standoff, Insulator
5	306-4173	1	*Switch Assembly, Auxiliary - Emergency (See separate page for components)	21	800-0004	5	*Screw, Cap - Hex Head (1/4-20 x 5/8)
6	815-0652	9	*Screw, Machine - Hex Head W/IT (#10-32 x 1/2)	22	851-0027	6	*Washer, Conical (1/4)
7	332-2352	1	*Clamp	23	337-2316	1	*Bar, Bus - Load
8	338-2012	1	*Harness, Wiring	24			*Lug, Solderless Spec G
9	821-0005	6	*Screw, Locking Head (#10-32 x 1/2)		332-2880	6	Spec H & J
10	851-0031	9	*Washer, Conical (#10)	25	337-2313	1	*Bar, Bus - Load
11	337-2314	3	*Bar, Bus - Jumper	26	800-0005	1	*Screw, Cap - Hex Head (1/4-20 x 3/4)
12	332-2834	3	*Terminal, Tap	27	526-0018	6	*Washer, Flat (1/4)
13	306-4172	1	*Switch Assembly, Auxiliary - Normal (See separate page for components)	28	850-0040	6	*Washer, Lock (1/4)
14	306-2013	1	*Block and Cross Bar Assembly (See separate page for components)	29	862-0001	1	*Nut, Hex (1/4-20)
15	815-0538	2	*Screw, Machine - Round Head W/IT (#8-32 x 1/2)	30	337-2317	1	*Bar, Neutral
				31	800-0003	5	*Screw, Cap - Hex Head (1/4-20 x 1/2)
				32	850-0030	3	*Washer, Lock (#10)
				33	332-2366	1	*Terminal
				34	870-0053	3	*Nut, Hex (#10-32)
				* Parts included in 306-3384 Switch Assembly			

Block and Cross Bar Assembly

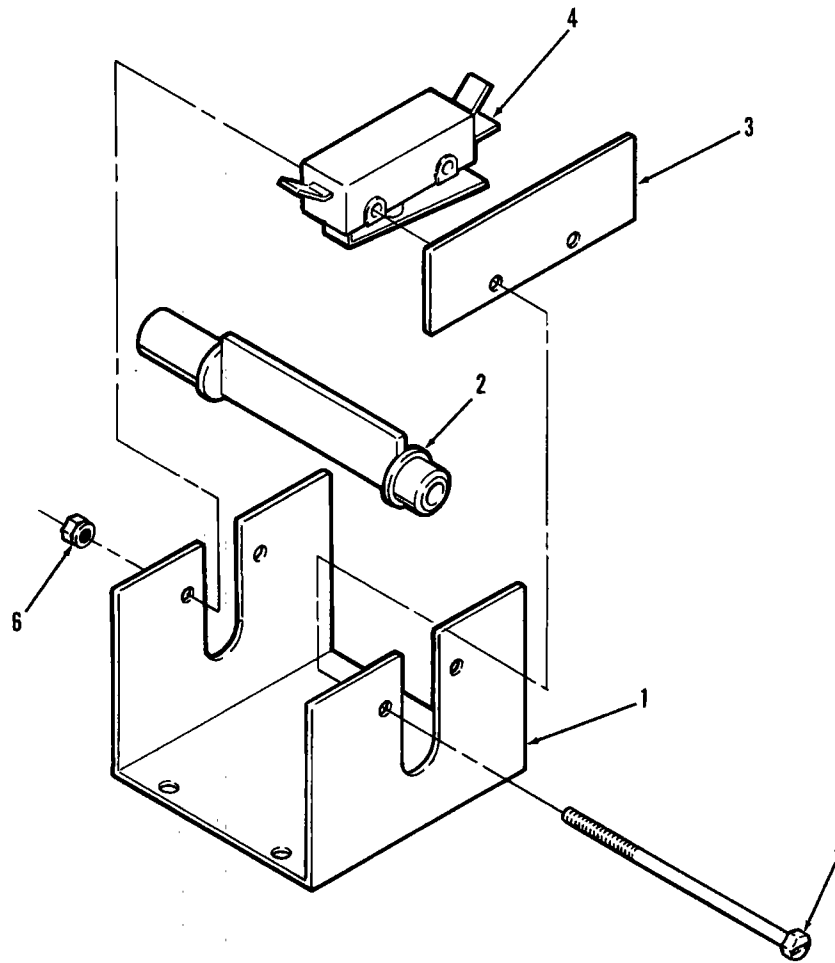


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Block and Cross Bar Assembly (Includes parts marked *)
	306-2013	1	Emergency
	306-2017	1	Normal
1	306-2031	1	Block, Contact
2	306-1972	1	Bar, Cross
3	815-0539	2	Screw, Machine – Round Head W/IT (#8-32 x 5/8)
4	306-1968	3	U-Strap
5	306-3495	3	Insert
6	332-2835	3	Lug, Solderless Spec G
	332-3085	3	Spec H & J
7	813-0103	3	Screw, Machine – Round Head (#10-32 x 3/4)
8	306-1984	1	*Arm, Interlock
9	306-1961	3	*Chute, Arc
10	306-1966	3	*Barrier, Chute – Arc
11	306-1967	2	*Barrier, Bar – Cross

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
12	306-1962	1	*Barrier, Retainer
13	306-1964	1	*Barrier, Phase – Left Hand
14	306-1965	1	*Barrier, Phase – Right Hand
15	815-0527	2	*Screw, Pan Head – Thread Forming (#10-16 x 1/2)
16	306-1996	1	*Handle Assembly, Actuator (See separate page for components)
17	815-0388	2	*Screw, Pan Head – Cross Recessed (#6-32 x 1/2)
18	850-0020	2	*Washer, Lock (#6)
19	306-2032	1	*Barrier
20	332-2366	3	*Terminal
21	526-0002	2	*Washer, Flat (#6)
22	526-0048	2	*Washer, Flat (#8)
23	306-2178	1	*Spacer, Mounting

* Parts included in Block and Cross Bar Assembly

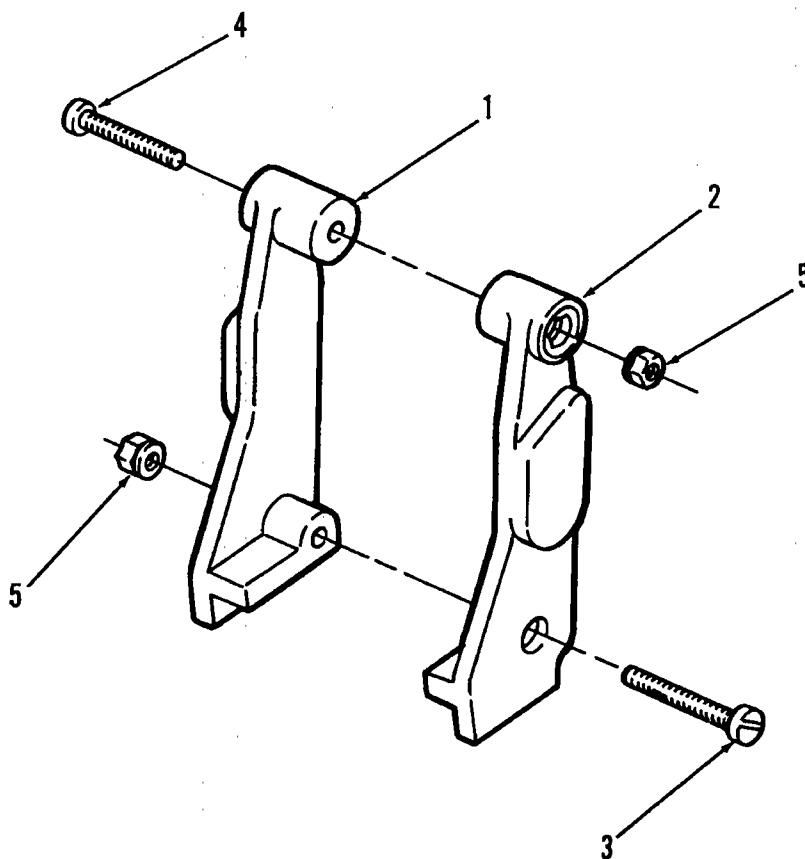
Auxiliary Switch Assembly



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
			Switch Assembly, Auxiliary (Includes parts marked *)	4	309-0393	4	*Switch, Action - Snap
	306-4174	1	Normal	5	815-0686	2	*Screw, Machine - Hex Head (#6-32 x 3-1/4)
	306-4173	1	Emergency	6	870-0201	2	*Nut, Lock (#6-32)
1	306-4163	1	*Bracket, Switch - Auxiliary				
2	306-1993	1	*Lever, Switch - Auxiliary				
3	306-3391	5	*Barrier, Switch				

* Parts included in Auxiliary Switch Assembly

Actuator Handle Assembly

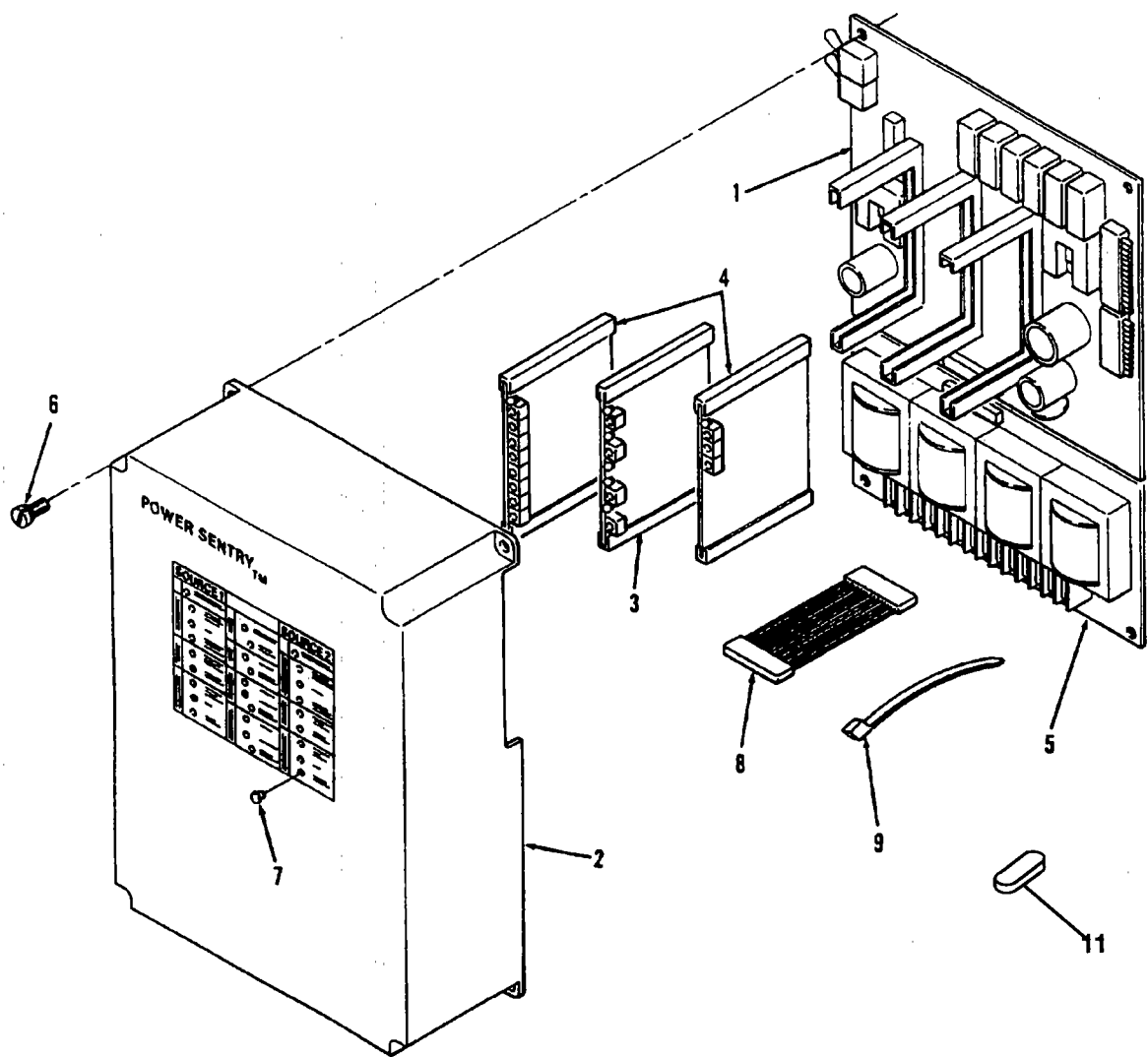


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
	306-1996	1	Handle Assembly, Actuator (Includes parts marked *)
1	306-1994	1	*Handle, Switch - Left Hand
2	306-1995	1	*Handle, Switch - Right Hand
3	812-0066	1	*Screw, Machine - Round Head (#6-32 x 3/4)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	812-0068	1	*Screw, Machine - Round Head (#6-32 x 1)
5	870-0201	2	*Nut, Lock (#6-32)

* Parts included in 306-1996 Actuator Handle Assembly

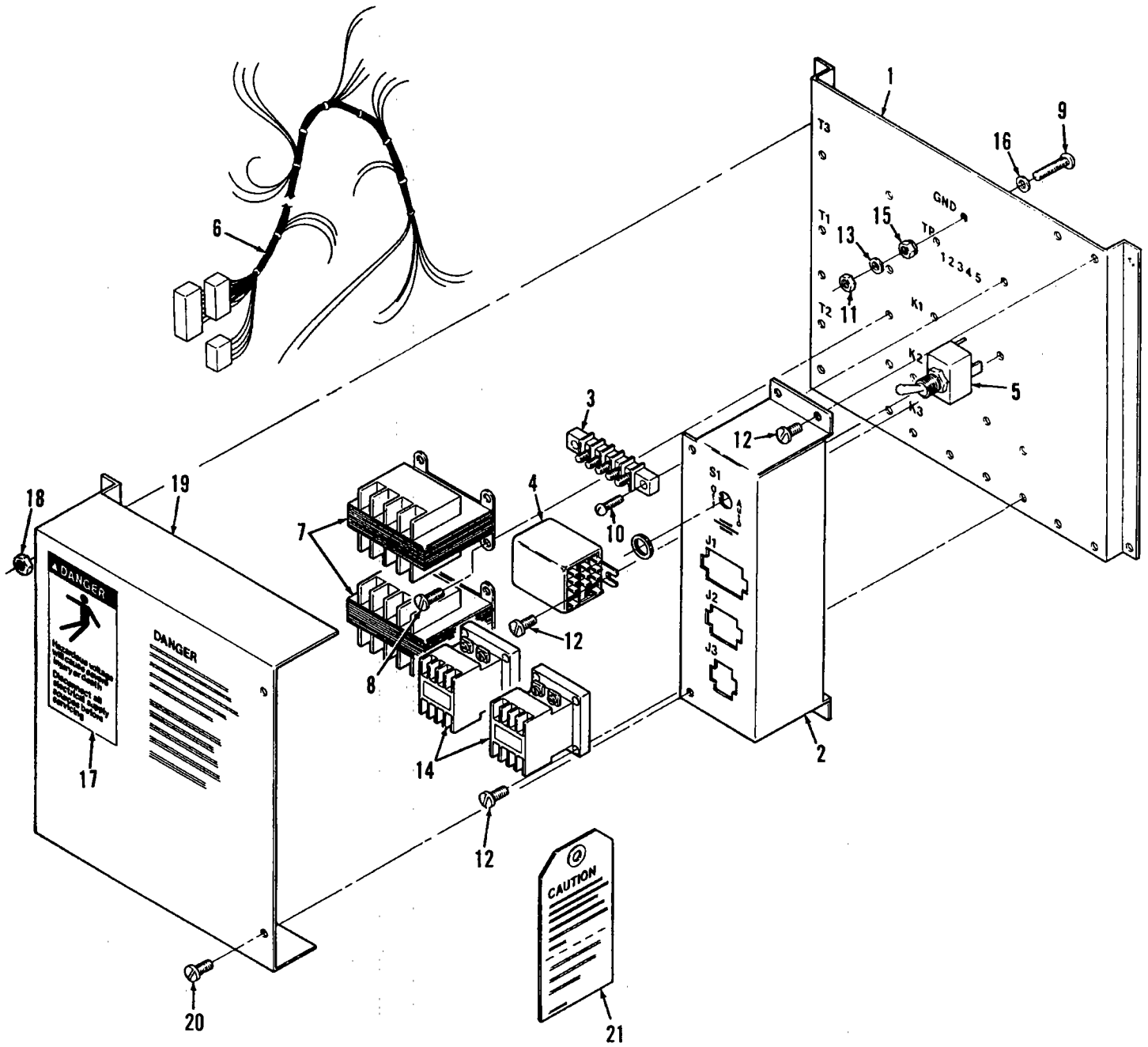
Control Assembly



Control Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3090	1	Board, Printed Circuit – Mother Utility to Generator	5			Board, Printed Circuit – Trans-former
	300-3267	1	Generator to Generator				60 Hertz
2			Cover, Board – Printed Circuit (Includes Label)	300-3119	1		120 Volt, 1 Ph, 2 Wire
	306-3470	1	Spec G & H	300-3092	1		120/240 Volt, 1 Ph, 3 Wire
	306-3980	1	Spec J	300-3092	1		120/208 Volt, 3 Ph, 4 Wire
3			Board, Printed Circuit – Time Delay (J2)	300-3092	1		120/240 Volt, 3 Ph, 4 Wire
	300-3094	1	Standard	300-3092	1		240/480 Volt, 3 Ph, 4 Wire
	300-3261	1	Extended (90 sec.)	300-3092	1		220/380 Volt, 3 Ph, 4 Wire
4			Board, Printed Circuit – Voltage Sensor (J1, J3)	300-3092	1		277/480 Volt, 3 Ph, 4 Wire
	300-3121	1	Undervoltage (50 & 60 Hz.)	300-3118	1		347/600 Volt, 3 Ph, 4 Wire
	300-3093-01	1	Over/Under Voltage & Over/Under Frequency (60Hz)				50 Hertz
	300-3093-02	1	Over/Under Voltage & Over/Under Frequency (50Hz)	300-3092	1		220 Volt, 1 Ph, 2 Wire
	300-4275	1	Undervoltage (5 sec.)	300-3092	1		115/200 Volt, 1 Ph, 3 Wire
	300-4276-01	1	Overvoltage (5 sec.) (60 Hz.)	300-3092	1		220/380 Volt, 3 Ph, 4 Wire
	300-4276-02	1	Overvoltage (5 sec.) (50 Hz.)	300-3092	1		120/208 Volt, 3 Ph, 4 Wire
				6	815-0544	9	240/416 Volt, 3 Ph, 4 Wire
				7	517-0256	10	Screw, Machine – Round Head W/IT (#6-32 x 1/2)
				8	323-1387	1	Plug, Hole
				9	332-1877	5	Pin and Ribbon Assembly
				11	332-1917	3	Tie, Cable
							Plug, Keying

Accessory Control Plate (All except 600 Volt)



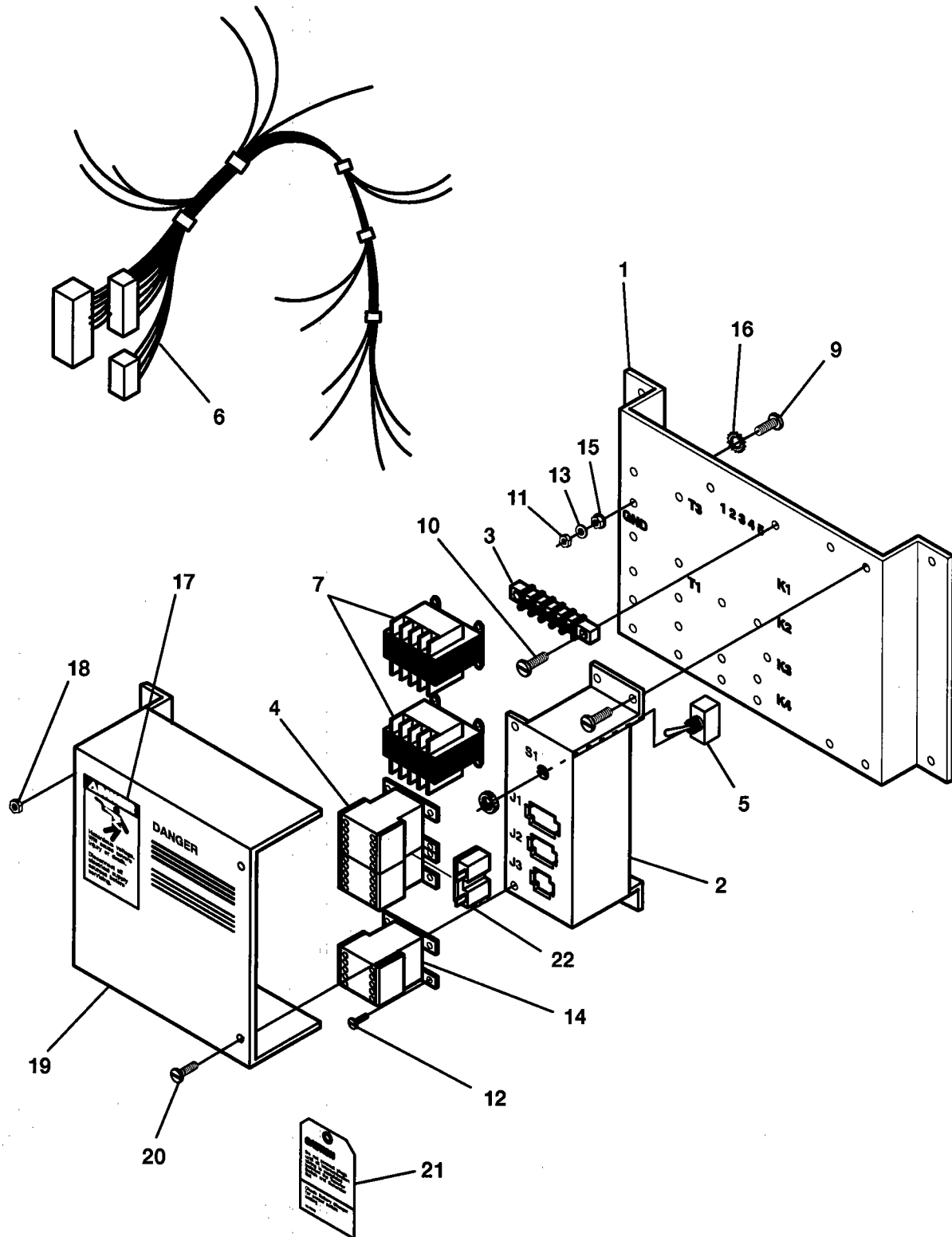
Accessory Control Plate (All except 600 Volt)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Plate, Door	7			Transformer, Power (T1, T2)
	301-9754	1	Standard				60 Hertz
	319-0002	1	Load Shed		315-0655-01	1	120 Volt, 1 Ph, 2 Wire
			Label		315-0655-02	1	120/240 Volt, 1 Ph, 3 Wire
	098-5773	1	Standard		315-0655-02	1	120/208 Volt, 3 Ph, 4 Wire
	098-5680	1	Load Shed		315-0655-02	1	120/240 Volt, 3 Ph, 4 Wire
2	301-9774	1	Bracket (Includes Label)		315-0655-02	1	240/480 Volt, 3 Ph, 4 Wire
	098-5681	1	Label, Bracket		315-0655-03	1	220/380 Volt, 3 Ph, 4 Wire
3	332-2884	1	Block, Terminal		315-0655-02	1	277/480 Volt, 3 Ph, 4 Wire
4			#*Relay, 3PDT - 24VAC		315-0655-03	1	347 Volt, 3 Ph, 4 Wire
	307-2575	2	Standard (K1, K2)				50 Hertz
	307-2575	1	Load Shed from Emergency (K1)		315-0655-02	1	220 Volt, 1 Ph, 2 Wire
5	308-0406	1	Switch, Toggle - DPDT (S1)		315-0655-02	1	115/200 Volt, 1 Ph, 3 Wire
6			*Harness, Wiring - Main		315-0655-03	1	220/380 Volt, 3 Ph, 4 Wire
			Standard		315-0655-03	1	120/208 Volt, 3 Ph, 4 Wire
			60 Hertz	8	821-0040	8	240/416 Volt, 3 Ph, 4 Wire
	338-2071	1	120 Volt, 1 Ph, 2 Wire				Screw, Self-Locking - Flanged (#10-32 x 5/16)
	338-2062	1	120/240 Volt, 1 Ph, 3 Wire	9	810-0085	1	Screw, Machine - Round Head Brass (#8-32 x 1-1/8)
	338-2062	1	120/208 Volt, 3 Ph, 4 Wire	10	815-0539	2	Screw, Machine - Round Head W/IT (#8-32 x 5/8)
	338-2062	1	120/240 Volt, 3 Ph, 4 Wire	11	860-0008	1	Nut, Hex (#8-32)
	338-2062	1	240/480 Volt, 3 Ph, 4 Wire	12	815-0555	A/R	Screw, Pan Head W/ET (#6-32 x 3/8)
	338-2062	1	220/380 Volt, 3 Ph, 4 Wire				Washer, Flat (#8)
	338-2062	1	277/480 Volt, 3 Ph, 4 Wire	13	526-0048	1	#Relay, 4 Pole - 24VAC (Only used on Load Shed from Emergency Units) (K2, K4)
	338-2062	1	347 Volt, 3 Ph, 4 Wire	14	307-2648	2	Nut, Lock W/ET (#8-32)
			50 Hertz	15	870-0221	1	Washer, Lock E/EIT (#8)
	338-2062	1	220 Volt, 1 Ph, 2 Wire	16	856-0002	1	Label, Danger
	338-2062	1	115/200 Volt, 1 Ph, 3 Wire	17	098-5387	4	Nut, Lock W/ET (#10-32)
	338-2062	1	220/380 Volt, 3 Ph, 4 Wire	18	870-0131	6	Shield (Includes Label)
	338-2062	1	120/208 Volt, 3 Ph, 4 Wire	19	301-9961	1	Label
	338-2062	1	240/416 Volt, 3 Ph, 4 Wire		098-5699	1	
			Load Shed from Emergency	20	815-0544	8	Screw, Machine - Round Head W/IT (#6-32 x 1/2)
			60 Hertz	21	098-5589	1	Label, Caution
	338-2096	1	120 Volt, 1 Ph, 2 Wire				
	338-2097	1	120/240 Volt, 1 Ph, 3 Wire				
	338-2097	1	120/208 Volt, 3 Ph, 4 Wire				
	338-2097	1	120/240 Volt, 3 Ph, 4 Wire				
	338-2097	1	240/480 Volt, 3 Ph, 4 Wire				
	338-2097	1	220/380 Volt, 3 Ph, 4 Wire				
	338-2097	1	277/480 Volt, 3 Ph, 4 Wire				
	338-2097	1	347 Volt, 3 Ph, 4 Wire				
			50 Hertz				
	338-2097	1	220 Volt, 1 Ph, 2 Wire				
	338-2097	1	115/200 Volt, 1 Ph, 3 Wire				
	338-2097	1	220/380 Volt, 3 Ph, 4 Wire				
	338-2097	1	120/208 Volt, 3 Ph, 4 Wire				
	338-2097	1	240/416 Volt, 3 Ph, 4 Wire				
	338-2337	1	Non-Automatic (120 Volt Only)				

* Load Shed Units use Reference #14

Note: If customer requests K2 Relay, if K4 filled, supply 307-2648. If not, supply 307-2575

Accessory Control Plate (600 Volt)



Accessory Control Plate (600 Volts)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0009	1	Plate, Door (Includes Label)	11	860-0008	1	Nut, Hex (#8-32)
	098-5734	1	Label	12	815-0550	6	Screw, Pan Head Cross Recessed W/ET (#6-32 x 3/8)
2	301-9774	1	Bracket (Includes Label)	13	526-0048	1	Washer, Flat (#8)
	098-5681	1	Label	14	307-2648	1	Relay, 4 Pole - 24VAC (Load Shed from Emergency Units)
3	332-2884	1	Block, Terminal	15	870-0221	1	Nut, Lock W/ET (#8-32)
4	307-2597	1	Contactors, Interlocking (24VAC)	16	856-0002	1	Washer, Lock W/EIT (#8)
5	308-0406	1	Switch, Toggle (S1)	17	098-5387	4	Label, Danger
6			*Harness, Wiring - Main (600 Volts)	18	870-0131	6	Nut, Lock W/ET (#10-32)
	338-2072	1	Standard	19	301-9961	1	Shield (Includes Label)
	338-2098	1	Load Shed from Emergency		098-5699	1	Label
	338-2337	1	Non-Automatic	20	815-0544	8	Screw, Machine - Round Head W/IT (#6-32 x 1/2)
7			Transformer, Power (T1, T2)	21	098-5589	1	Label, Caution
	315-0655-04	2	Spec G	22	307-2600-01	1	Block, Auxiliary
	315-0662	2	Spec H & J				
8	821-0040	8	Screw, Self-Locking - Flanged (#10-32 x 5/16)				
9	810-0085	1	Screw, Machine - Round Head (#8-32 x 1-1/8)				
10	815-0538	2	Screw, Machine - Round Head Cross Recessed W/IT (#8-32 x 5/8)				

* Load Shed Units use Reference #14

Plate Assembly (Open Construction)

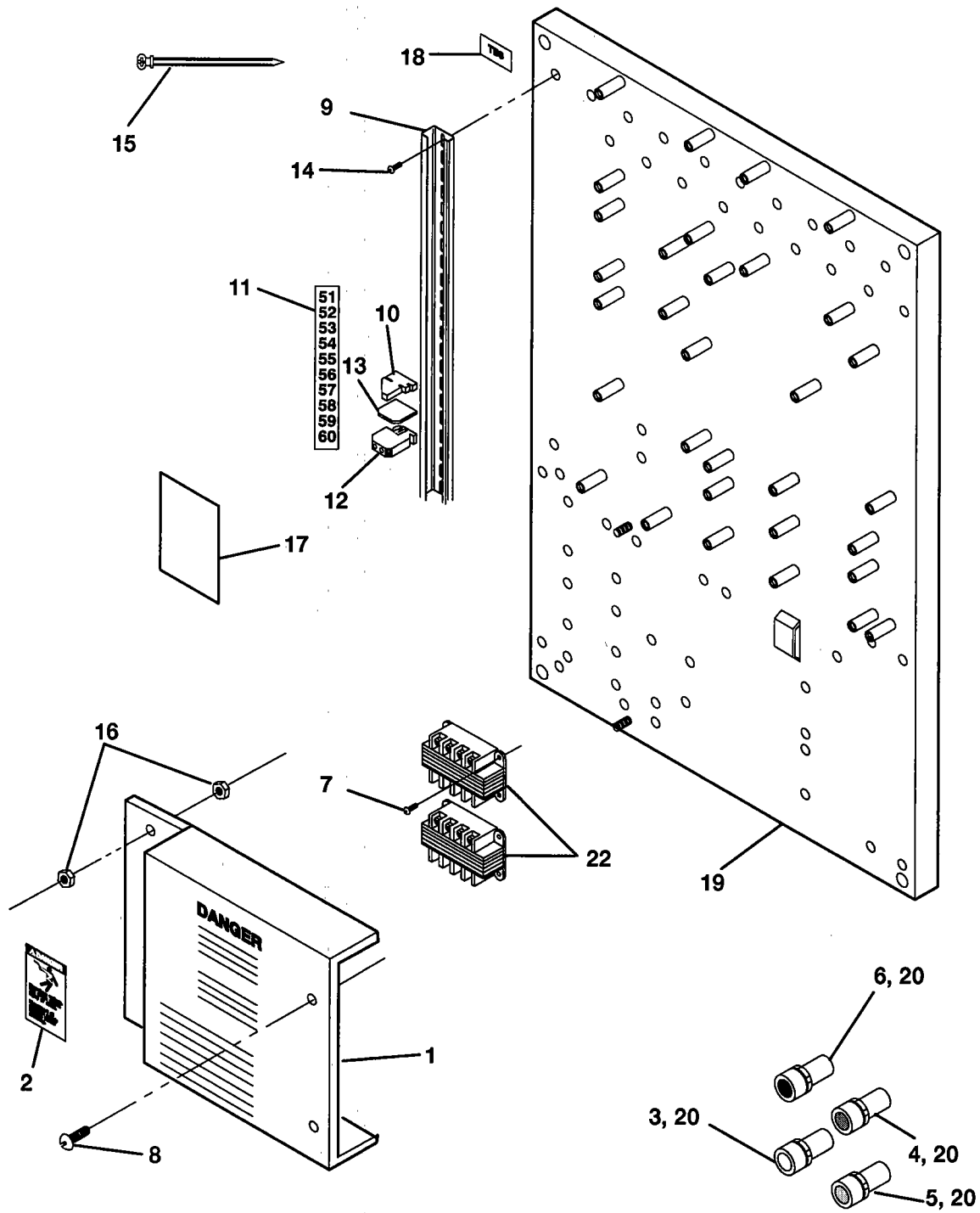
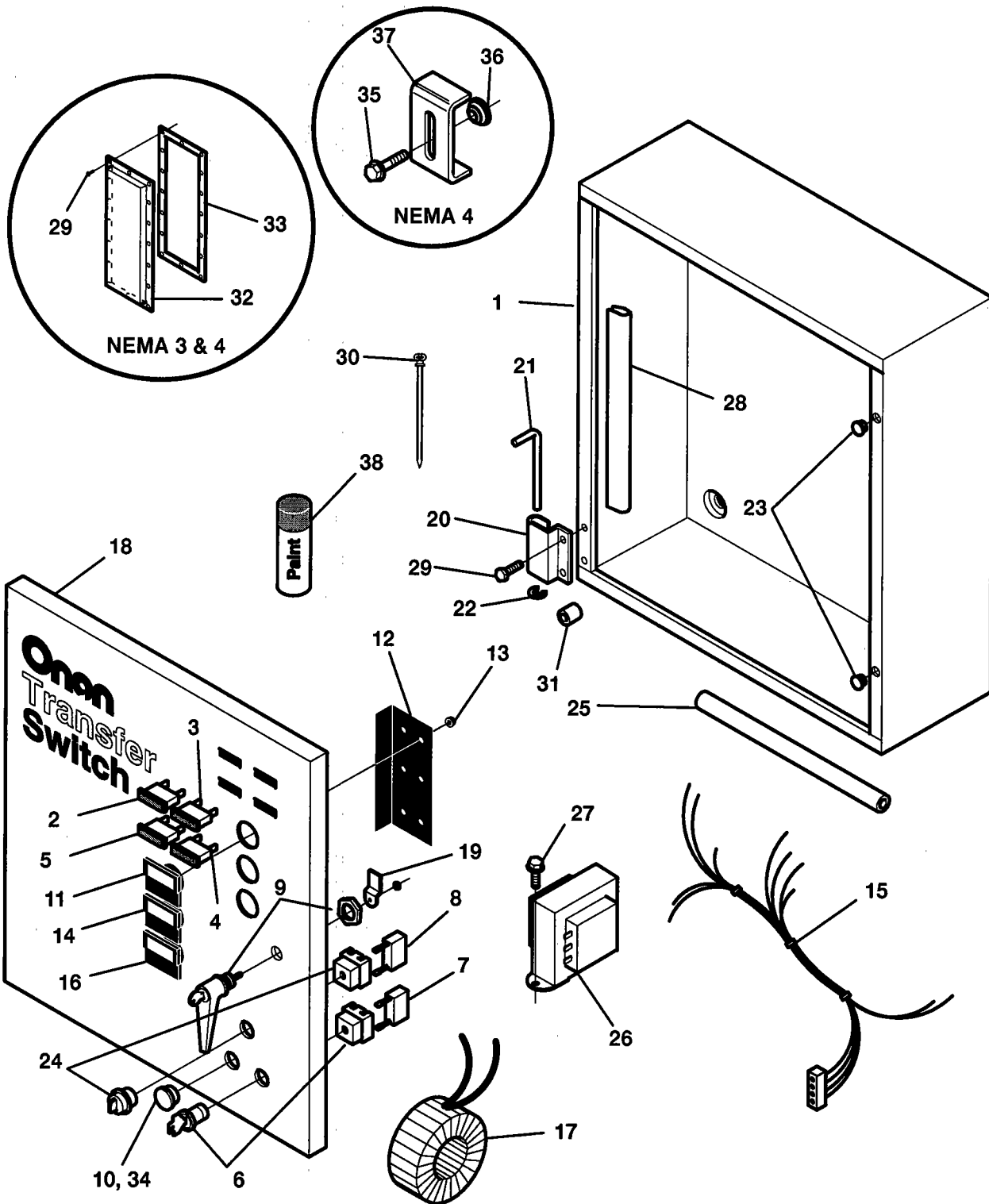


Plate Assembly (Open Construction)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9961	1	Shield (Includes Silkscreen)	19	319-2050-01	1	Plate, Open Construction
2	098-5387	2	Label, Danger	20	322-0133	4	Lamp, Indicating
3	322-0392-06	1	Housing, Lamp (White)	21			Harness, Wiring – Main (Not Shown)
4	322-0392-04	1	Housing, Lamp (Green)				Non-Automatic/Remote
5	322-0392-02	1	Housing, Lamp (Amber)				All Except 600 Volt
6	322-0392-01	1	Housing, Lamp (Red)	338-2958	1		600 Volt
7	815-0538	8	Screw, Machine – Round Head Cross Recessed w/IT (#8-32 x 1/2)	338-2957	1		Load Shed
8	815-0544	22	Screw, Machine – Round Head Cross Recessed w/IT (#6-32 x 1/2)	338-2959	1		120 Volt
9	332-2837-07	1	Rail, Terminal	338-2982	1		600 Volt
10	332-2839	2	Bracket, End – Terminal	338-2981	1		All Except 120 & 600 Volt
11	332-2842-16	2	Tag, Terminal (51-60)				All Except Non-Automatic/ Remote & Load Shed
12	332-2836-02	1	Block, Terminal – Sectional	338-2961	1		120 Volt
13	332-2841	1	Plate, End – Terminal	338-2960	1		600 Volt
14	815-0446	4	Screw, Round Head – Cross Recessed w/IT Thread Cutting (#8-32 x 1/2)	338-2962	1		All Except 120 & 600 Volt
15	332-2877	2	Tie, Cable	22			Transformer, Power
16	870-0131	4	Nut, Hex w/ET (#10-32)	315-0723-05	2		120 Volt
17	878-0032	1	Laminate Material	315-0723-06	2		208/220/240/480 Volt
18	098-5710	1	Label, Block – Terminal	315-0723-07	2		380/416 Volt
				315-0723-08	2		600 Volt
				315-0662	2		600 Volt

Door and Cabinet

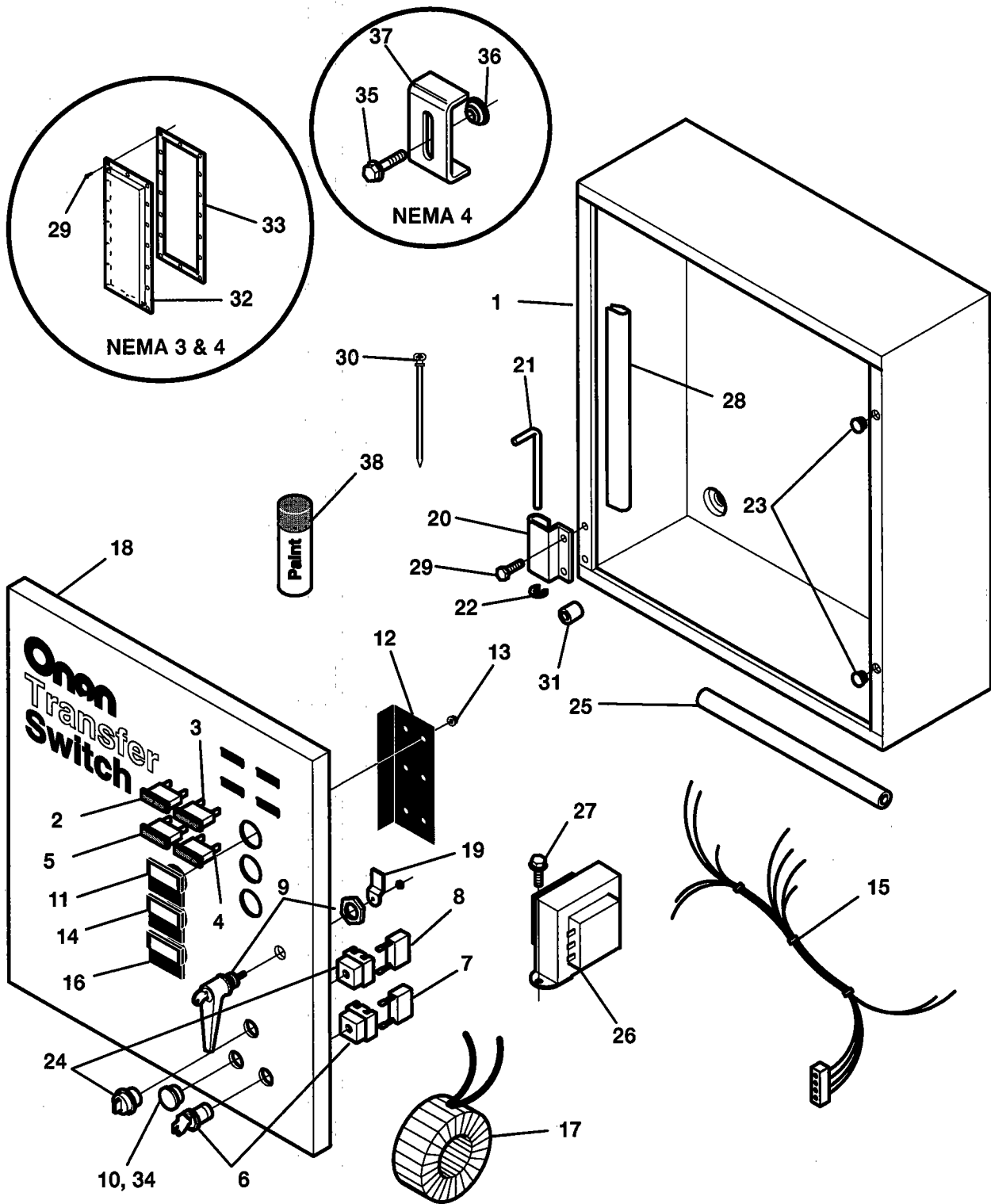


Door and Cabinet

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Cabinet, Control	14			Meter, Volt – AC
			Spec G				60 Hertz
	301-9766	1	NEMA 1		302-1692	1	120 Volt, 1 Ph, 2 Wire
	319-0363	1	NEMA 3R		302-1175	1	120/240 Volt, 1 Ph, 3 Wire
	319-0152	1	NEMA 4		302-1175	1	120/208 Volt, 3 Ph, 4 Wire
			Spec H & J		302-1175	1	120/240 Volt, 3 Ph, 4 Wire
	319-1182	1	NEMA 1		302-1711	1	240/480 Volt, 3 Ph, 4 Wire
	319-0363	1	NEMA 3R		302-1711	1	220/380 Volt, 3 Ph, 4 Wire
	319-0152	1	NEMA 4		302-1711	1	277/480 Volt, 3 Ph, 4 Wire
	319-0363-01	1	NEMA 12		302-1710	1	347/600 Volt, 3 Ph, 4 Wire
2	322-0170	1	Light, Indicating – Normal (Green)				50 Hertz
3	322-0137	1	Light, Indicating – Emergency (Red)		302-1175	1	220 Volt, 1 Ph, 2 Wire
4	322-0387-02	1	Light, Indicating – Normal Source Available (Clear)		302-1175	1	115/200 Volt, 1 Ph, 3 Wire
5	322-0168	1	Light, Indicating – Emergency Source Available (Amber)		302-1711	1	220/380 Volt, 3 Ph, 4 Wire
6			Switch, Selector (Includes Key) (S12)		302-1175	1	120/208 Volt, 3 Ph, 4 Wire
			Spec G	15			Harness, Wiring – Meter
	308-0848	1	Key (fits Item 6, Spec G)		338-2063	1	60 Hertz
	308-0849	1	Spec H & J		338-2135	1	120 Volt, 1 Ph, 2 Wire (P12/TB4/S13/M2,3,4)
			NEMA 1				120 Volt, 1 Ph, 2 Wire (P12/TB4/S13/M2,3,4)
	308-0991	1	Utility to Utility		338-2133	1	(250 – 1000 Amp Meter)
	308-0992	1	Non-Automatic/Remote				120/240 Volt, 1 Ph, 3 Wire (P12-1/TB4/S13/M2,3,4)
	308-0997	1	Sequencer – Standby Set Start		338-2133	1	120/208 Volt, 3 Ph, 4 Wire (P12-1/TB4/S13/M2,3,4)
			NEMA 4		338-2133	1	120/240 Volt, 3 Ph, 4 Wire (P12-1/TB4/S13/M2,3,4)
	308-0993	1	Non-Automatic/Remote		338-2134	1	240/480 Volt, 3 Ph, 4 Wire (P12/TB4/T3/S13/M2,3,4)
	308-0994	1	Utility to Genset				220/380 Volt, 3 Ph, 4 Wire (P12/TB4/T3/S13/M2,3,4)
	308-1054	1	Fire Pump Applications		338-2134	1	277/480 Volt, 3 Ph, 4 Wire (P12/TB4/T3/S13/M2,3,4)
	308-1055	1	Fire Pump Applications				347/600 Volt, 3 Ph, 4 Wire
	308-0989	1	Key (Fits item 6, Spec H & J)		338-2134	1	50 Hertz
7	308-0854	1	Block, Contact – Normally Closed (1 Phase)		338-2134	1	220 Volt, 1 Ph, 2 Wire (P12-1/TB4/S13/M2,3,4)
8	308-0850	1	Block, Contact – Normally Open (1 Phase)		338-2133	1	115/200 Volt, 1 Ph, 3 Wire (P12-1/TB4/S13/M2,3,4)
9	406-0613	1	Handle, Door (Includes Key)		338-2133	1	220/380 Volt, 3 Ph, 4 Wire (P12/TB4/T3/S13/M2,3,4)
	406-0649	1	Key (Fits item 9)				120/208 Volt, 3 Ph, 4 Wire (P12-1/TB4/S13/M2,3,4)
10	517-0137	2	Plug, Hole		338-2134	1	240/416 Volt, 3 Ph, 4 Wire (P12/TB4/T3/S13/M2,3,4)
11	302-1992	1	Meter, Frequency (45 – 65 Hz)		338-2133	1	Open Construction
12	306-3464	1	Shield, Meter				
13	870-0439	6	Nut, Nylon		338-2134	1	
					338-3203	1	

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Door and Cabinet (Continued)

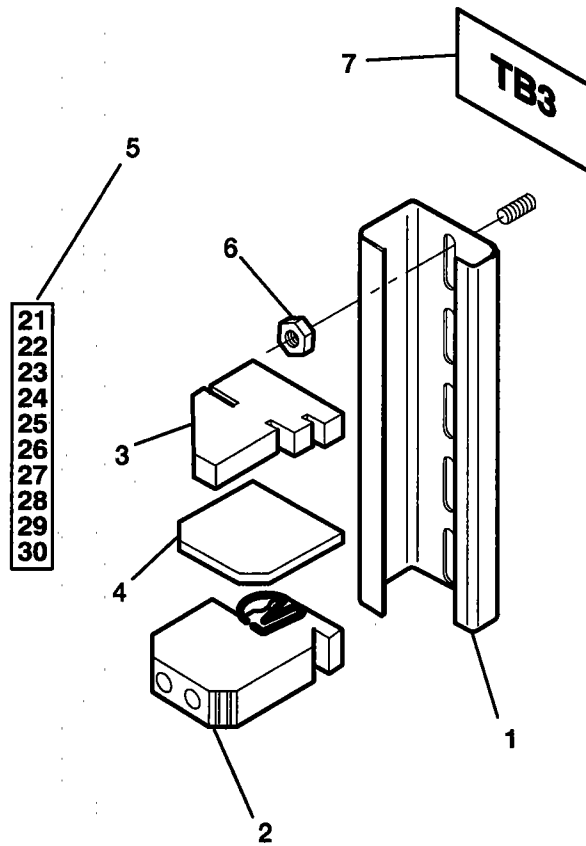


Door and Cabinet (Continued)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
16			Meter, Ampere	29	815-0544	14	Screw, Machine – Round Head (#6-32 x 1/2)
	302-1805-01	1	40 Amp	30	332-2877	7	Tie, Cable
	302-1678	1	70 Amp	31	332-1348	2	Spacer, Bar – Neutral
	302-1805-02	1	125 Amp	32	319-0145	1	Cover, Meter
17			Transformer, Current	33	319-0146	1	Gasket, Cover – Meter
			1 Phase	34	517-0266	A/R	Plug, Hole
	338-2204-01	1	40 Amp	35	812-0177	8	Screw, Machine – Round Head (5/16-18 x 3/4)
	338-2204-02	1	70 Amp				Spring, Conical
	338-2204-03	1	125 Amp	36	406-0519	8	Bracket, Door
			3 Phase	37	301-6727	8	Paint, Green – 13 oz. Spray Can
	338-2205-01	1	40 Amp	38	525-0305	1	*Label, Caution
	338-2205-02	1	70 Amp		098-5589	1	*Screw, Hex Head – Thread Forming (#10-32 x 1/2)
	338-2205-03	1	125 Amp		815-0652	8	*Nut, Lock (3/8-16)
18			Door, Cabinet				*Connector
			Spec G				*Label, Product ID
			NEMA 1		870-0281	A/R	*Label, Lamp
	301-9806	1	With Meter Holes		323-1333	1	*Label, Door
	301-9760	1	Without Meter Holes		098-5692	1	With Switch
			NEMA 3R		098-5693	1	Without Switch
	319-0362-02	1	With Meter Holes		098-5694	1	*Label, Danger
	319-0362-01	1	Without Meter Holes		098-5695	1	*Nut, Hex (#10-32)
			NEMA 4		098-5387	3	*Nut, Lock (1/4-20)
	319-0143-02	1	With Meter Holes		870-0131	11	*Label, Caution
	319-0143-01	1	Without Meter Holes		870-0134	6	*Adhesive
			Spec H & J		098-5589	1	*Washer, Rubber
			NEMA 1		518-0404	1	*Nut, Acorn (Nylon)
	319-1176-01	1	With Meter Holes		508-0233	A/R	*Gasket, Door
	319-1178-01	1	Without Meter Holes		870-0386	16	22.57" Long
			NEMA 3R				23.82" Long
	319-0362-04	1	With Meter Holes		895-0293-01	2	26.13" Long
	319-0362-03	1	Without Meter Holes		895-0293-07	2	26.70" Long
			NEMA 4		895-0293-02	2	28.39" Long
	319-0143-04	1	With Meter Holes		895-0293-03	2	28.68" Long
	319-0143-03	1	Without Meter Holes		895-0293-05	2	32.38" Long
			NEMA 12		895-0293-09	2	34.73" Long
	319-0362-05	1	With Meter Holes		895-0293-11	2	38.14" Long
	319-0362-06	1	Without Meter Holes		895-0293-04	2	51.08" Long
	319-0124	1	Open Construction		895-0293-06	2	65.24" Long
19			Latch, Cam		895-0293-08	2	*Label, Warning
	306-3465	1	NEMA 1 – Single Point		895-0293-10	2	*Label, Ground
	306-3466	1	NEMA 1 – 3 Point		098-5777-01	1	*Nut, Acorn
	306-3525	1	NEMA 3		098-6635	1	*Washer, Flat (5/16)
20	406-0610-02	2	Hinge, Door		870-0439	6	*Screw, Lock (3/8-16 x 1/2)
21	406-0610-03	2	Pin, Hinge		526-0022	8	*Screw, Drive
22	406-0610-04	2	Clip, Pin		821-0028	2	Label, Torque
23	508-0231	3	Bumper		815-0221	4	
24			Switch, Voltmeter		098-6367	1	
	308-0905	1	1 Phase				
	308-0904	1	3 Phase				
25	898-0778	1	Sleeving, Insulation				
26			Transformer, Stepdown (T3)				
	315-0731	1	380/416 Volt				
	315-0377	1	480/600 Volt				
27	821-0004	4	Screw, Lock (#10-32 x .31)				
28	508-1045	2	Edging				

* – Parts not Illustrated

Load Shed

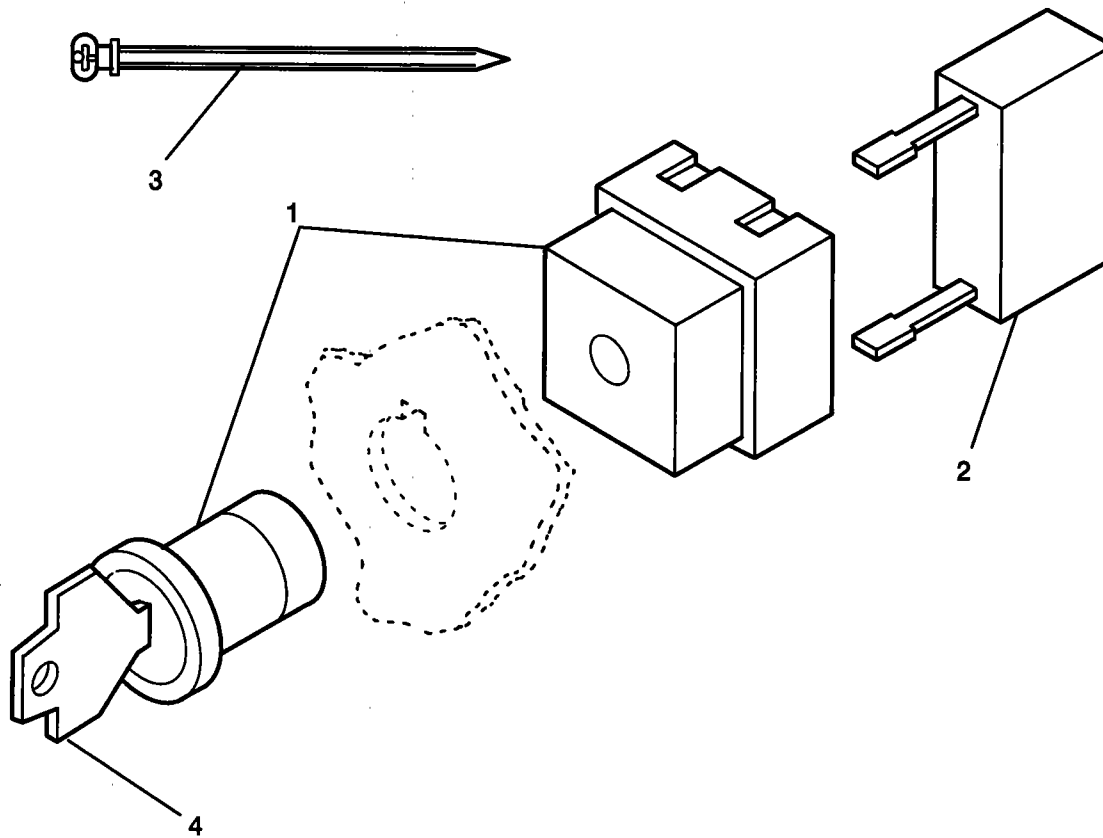


REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2837-09	1	*Rail, Terminal
2	332-2836-01	2	Block, Terminal – Sectional
3	332-2839	2	Bracket, End – Terminal
4	332-2841	1	Plate, End – Terminal
5	332-2842-13	2	Tag, Terminal (21-30)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	870-0221	2	*Nut, Hex w/ET (#8-32)
7	098-5710	1	*Label, Block – Terminal

* Not used with Open Construction

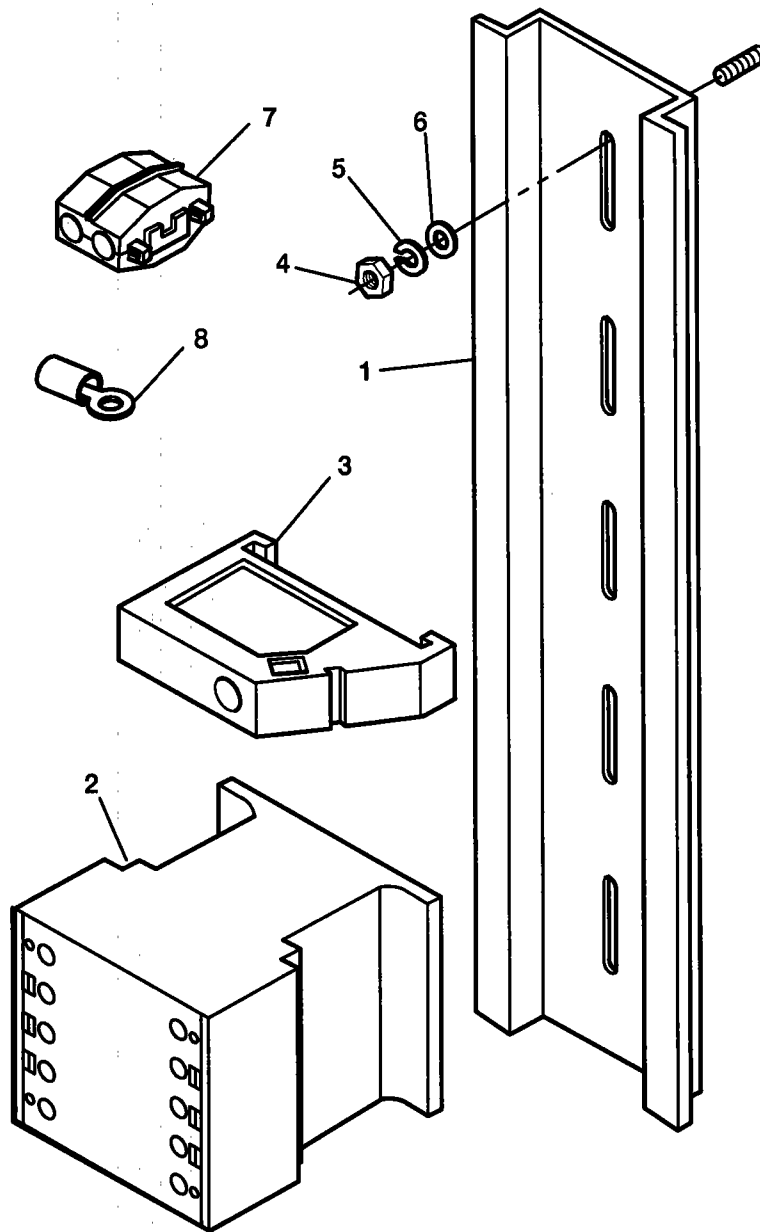
Auto/Manual Switch



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Switch, Selector (S12) (Includes Key)	308-0955	1		*Switch, Selector (S14)
			Spec G & H	308-0989	1		Key
	308-0851	1	NEMA 1	307-2578	2		*Relay, Control
	308-0886	1	NEMA 4	815-0446	4		*Screw, Round Head – Cross Recessed w/IT (#8-32 x 1/2)
			Spec J	332-0802	1		*Terminal, Ring (#8)
	308-0990	1	NEMA 1	098-6561	1		*Label, Operation
			Open Construction	332-2420	2		*Mount, Tie – Cable
	308-0990	1	Utility to Genset	098-6697	1		*Label, Switch
	308-0957	1	Utility to Utility	532-0374	1		*Marker, Adhesive – Relay
2	308-0850	1	Block, Contact – Normally Open				
3			Tie, Cable				
	332-0942	10	Units with Cabinet				
	332-0941	10	Open Construction				
4			Key, Replacement (Fits Item 1)				
			Spec G & H				
	308-0849	1	NEMA 1				
	308-0988	1	NEMA 4				
	308-0989	1	Spec J				

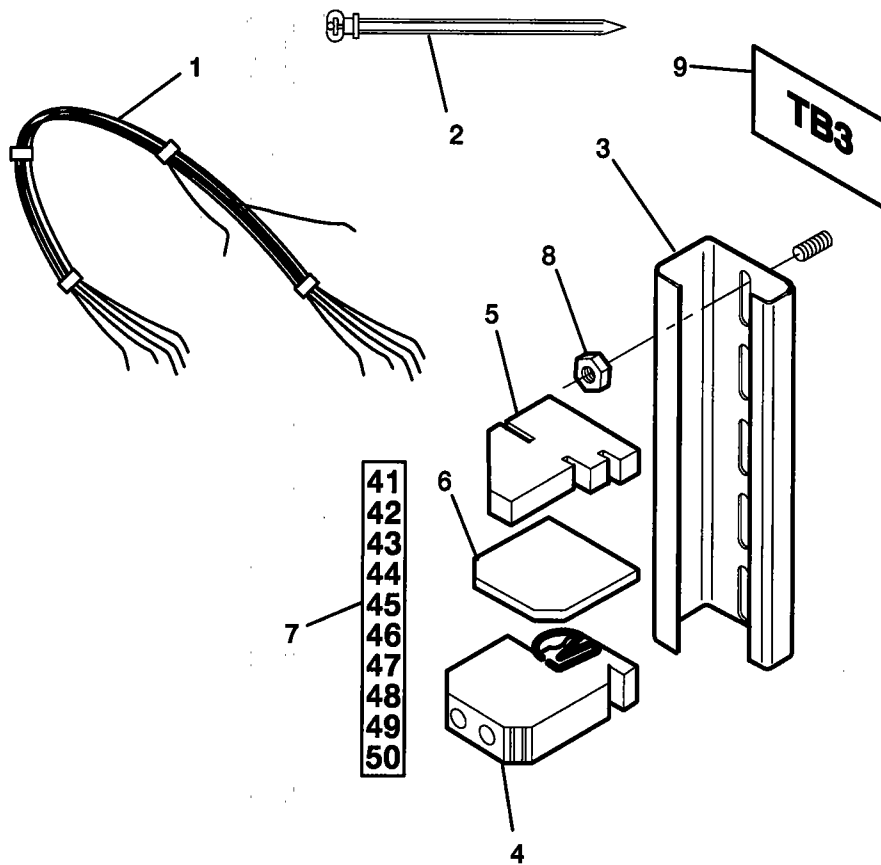
* Parts used on Open Construction Utility to Utility Only (Not Illustrated)

Auxiliary Relay



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2879-02	1	Rail, Terminal	5	853-0005	2	Washer, Lock ET (#8)
2			Relay, Control	6	526-0003	2	Washer, Flat (#8)
	307-2578	1	24 VAC	7	332-2230	1	Terminal, Tap - Plier
	307-2582	1	12 VDC	8	332-0802	1	Terminal, Ring (#8)
	307-2583	1	24 VDC		334-1842	1	Wire, 16 AWG - 600V TEW (12")
3	332-2878	2	Bracket, End				(Not Shown)
4	860-0008	2	Nut, Hex (#8-32)				

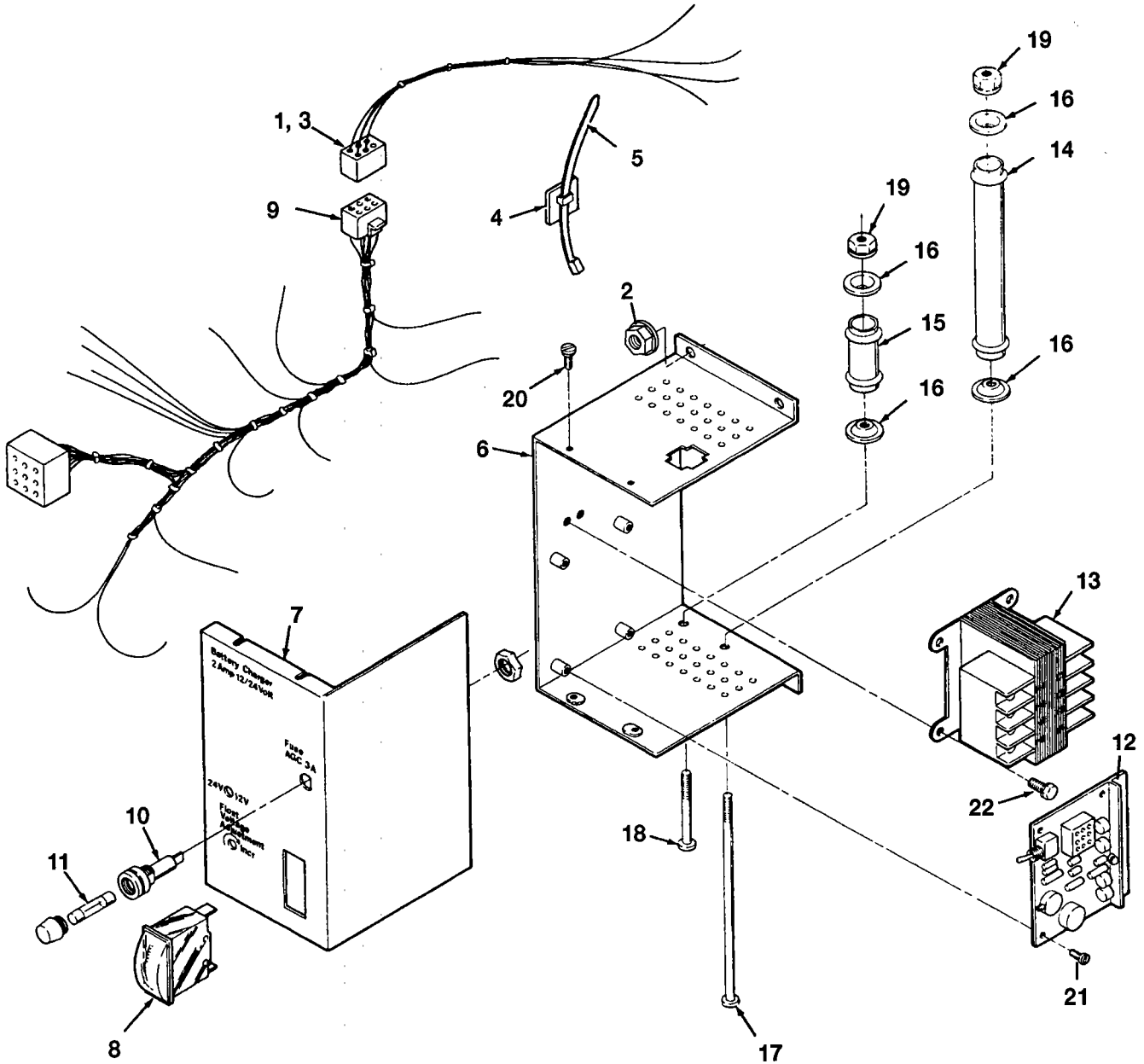
Battery Charger Alarm



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-2349	1	Harness, Wiring – Battery Charger Alarm
2	332-0942	20	Tie, Cable Units with Cabinets
	332-0941	5	Open Construction
3	332-2837-09	1	Rail, Block – Terminal (Units with Cabinets Only)
4	332-2836-02	1	Block, Terminal – Sectional

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
5	332-2839	2	Bracket, End – Terminal
6	332-2841	1	Plate, End – Terminal
7	332-2842-15	2	Tag, Terminal (41-50)
8	870-0221	2	Nut, Hex w/ET (#8-32) (Units with Cabinets Only)
9	098-5710	1	Label, Block – Terminal (TB3) (Units with Cabinets Only)

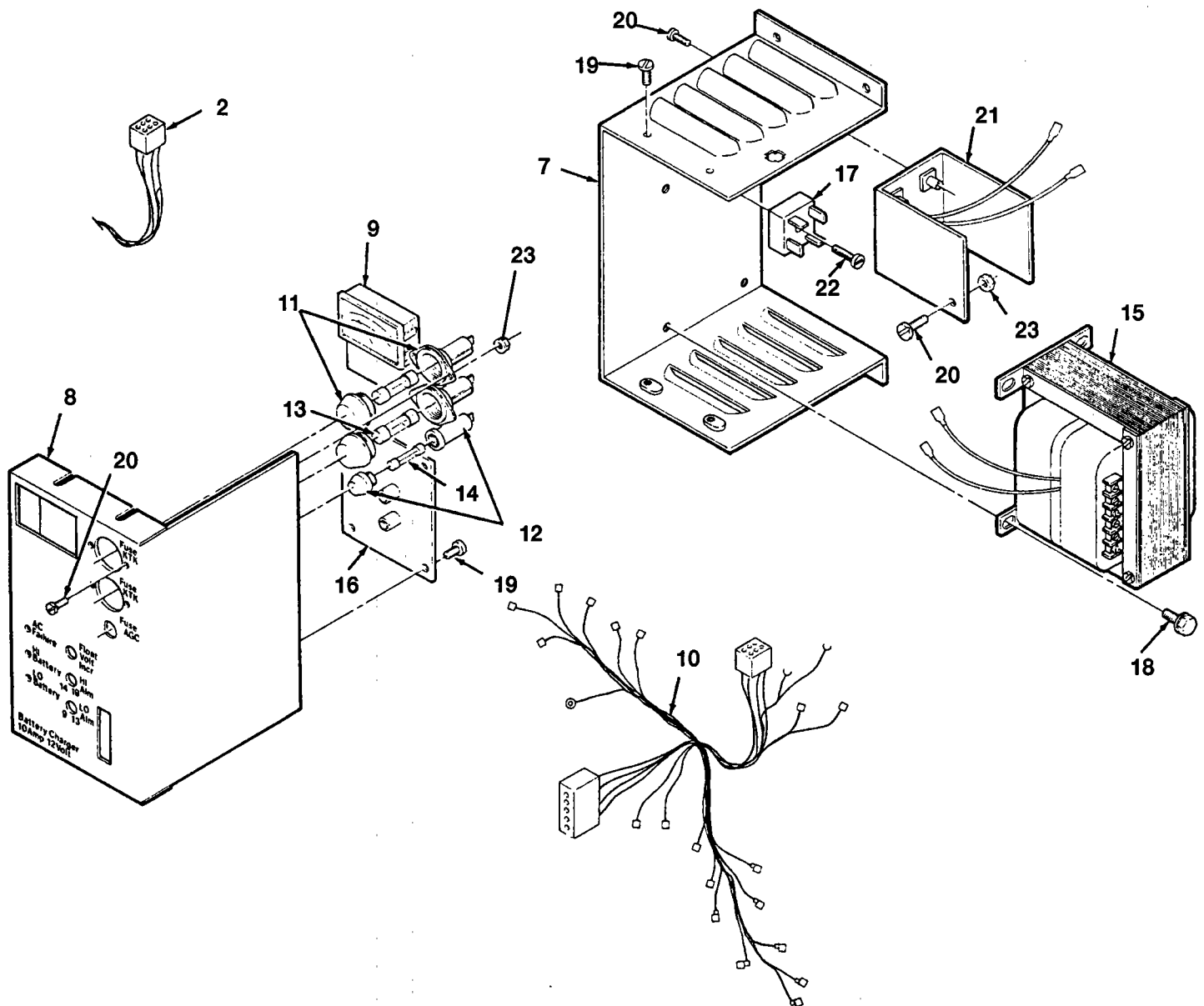
Battery Charger (2 Amp)



Battery Charger (2 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Harness, Wiring – Battery Charger	14	304-0037	1	Resistor, Fixed – 6" Long
	338-2161	1	Units with Cabinet Open Construction	15	304-0139	1	Resistor, Fixed – 2" Long
	338-2949	1	Genset to Genset	16	304-0015	4	Washer, Centering
	338-2161	1	Utility to Genset	17	813-0116	1	Screw, Round Head (#10-32 x 6-1/2)
	338-2983	1	3 Wire Start	18	813-0112	1	Screw, Round Head (#10-32 x 2-1/2)
2	870-0131	4	Nut, Lock W/ET (#10-32)	19	870-0131	2	Nut, Lock W/ET (#10-32)
3	332-2777	2	Terminal, Spade	20	815-0550	4	Screw, Pan Head W/ET (#6-32 x 3/8)
4	332-2420	8	Mount, Tie – Cable	21	815-0549	4	Screw, Pan Head W/ET (#6-32 x 1/4)
5	332-0942	20	Tie, Cable	22	821-0040	4	Screw, Lock (#10-32 x 5/16)
6	301-9990	1	Wrapper, Charger – Battery				
7	301-9992	1	Cover, Charger – Battery (Includes Label)				
	098-5708	1	Label				
8	302-0807	1	Meter, Ampere – DC				
9	338-2149	1	Harness, Wiring – Battery Charger				
10	321-0175	1	Holder, Fuse				
11	321-0153	1	Fuse, 3 Amp				
12	300-2946	1	Board, Printed Circuit – Battery Charger				
13			Transformer (Primary Voltage)				
			60 Hertz				
	315-0621-01	1	120 Volt				
	315-0621-02	1	208 Volt				
	315-0621-02	1	240 Volt				
	315-0621-03	1	380 Volt				
	315-0621-02	1	480 Volt				
	315-0621-04	1	600 Volt				
			50 Hertz				
	315-0621-02	1	200 Volt				
	315-0621-02	1	208 Volt				
	315-0621-02	1	220 Volt				
	315-0621-03	1	380 Volt				
	315-0621-03	1	416 Volt				

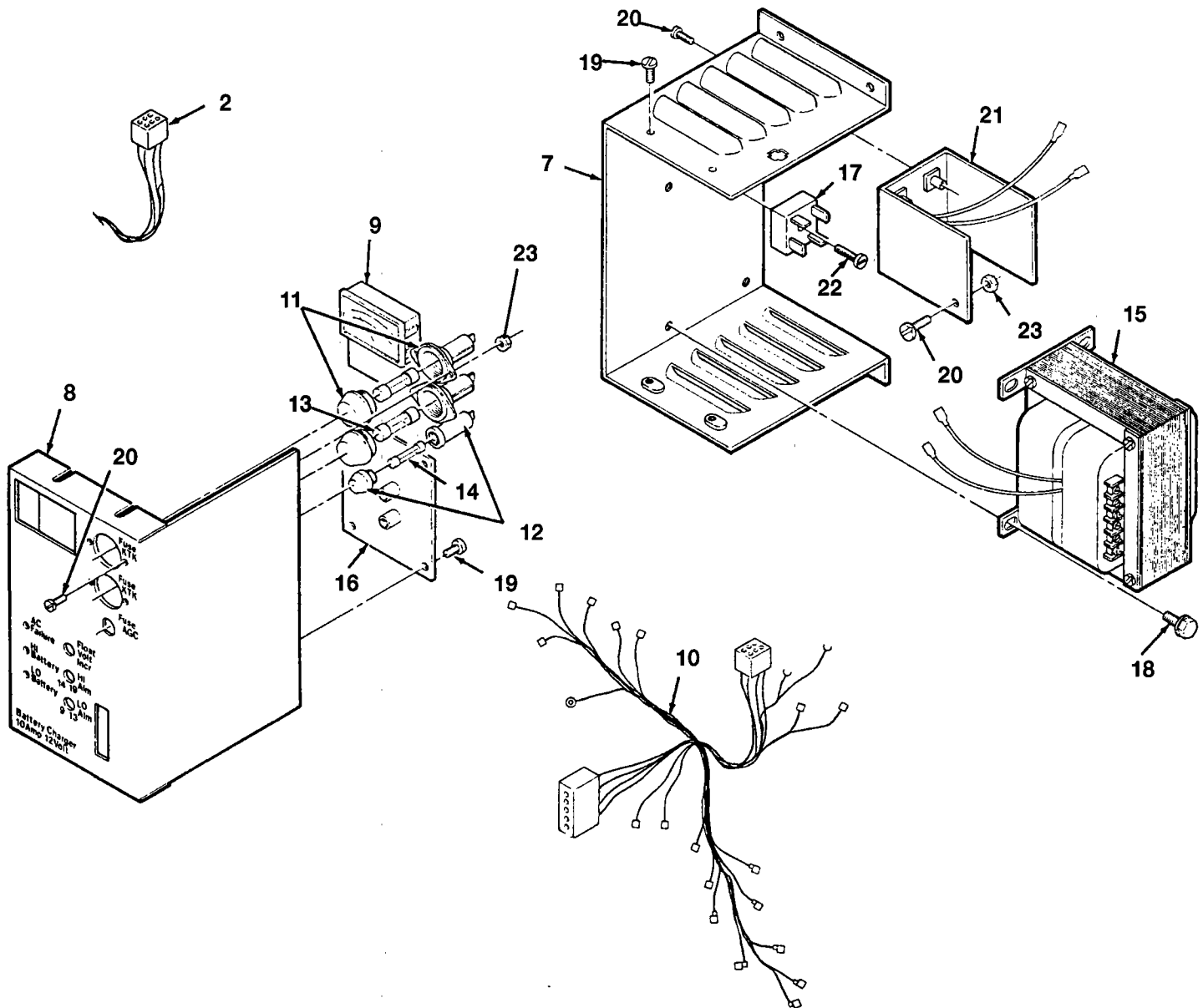
Battery Charger (10 Amp 12 Volt)



Battery Charger (10 Amp 12 Volt)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-4339	1	Label, Option	14	321-0127	1	Fuse, 15 Amp
2			Harness, Wiring – Battery Charger	15			Transformer (Primary Voltage)
	338-2161	1	Units with Cabinet		315-0665	1	60 Hertz
			Open Construction		315-0665	1	120 Volt
	338-2949	1	Genset to Genset		315-0665	1	208 Volt
	338-2161	1	Utility to Genset		315-0671	1	240 Volt
	338-2983	1	3 Wire Start		315-0673	1	380 Volt
3	870-0131	4	Nut, Lock W/ET (#10-32)		315-0675	1	480 Volt
4	332-2777	2	Terminal, Spade				600 Volt
5	332-2420	8	Mount, Tie – Cable		315-0667	1	50 Hertz
6	332-0942	20	Tie, Cable		315-0669	1	200 Volt
7	319-0072	1	Wrapper, Charger – Battery		315-0677	1	220 Volt
8	319-0073	1	Cover, Charger – Battery		315-0679	1	240 Volt
			Label		315-0667	1	347 Volt
			500 Volt		315-0667	1	380 Volt
	098-5807	1	4.5 Amp		315-0669	1	400 Volt
	098-5808	1	2.5 Amp		315-0669	1	416 Volt
	098-5809	1	2.0 Amp	16	300-3160	1	440 Volt
	098-5995	1	1.5 Amp				Board, Printed Circuit – Battery
	098-5996	1	1.0 Amp				Charger
			600 Volt	17	305-0653	1	Rectifier, Bridge
	098-6039	1	1.0 Amp	18	821-0040	4	Screw, Lock (#10-32 x 5/16)
9	302-1844	1	Meter, Ampere – DC	19	815-0550	8	Screw, Pan Head W/ET
10	338-2223	1	Harness, Wiring – Battery Charger				(#6-32 x 3/8)
11	321-0237	2	Holder, Fuse (AC Input)	20	822-2048	5	Screw, Pan Head (#8-32 x 1/2)
12	321-0104	1	Holder, Fuse (DC Output)	21	305-0781	1	Rectifier, SCR
13			Fuse	22	822-2049	1	Screw, Pan Head W/ET
			500 Volt				(#8-32 x 5/8)
	321-0304-01	2	1.0 Amp	23	870-0221	5	Nut, Lock W/ET (#8-32)
	321-0304-02	2	1.5 Amp	24	C-0308	1	Instruction Sheet
	321-0304-03	2	2.0 Amp				
	321-0304-04	2	2.5 Amp				
	321-0304-05	2	4.5 Amp				
			600 Volt				
	321-0236	2	1.0 Amp				

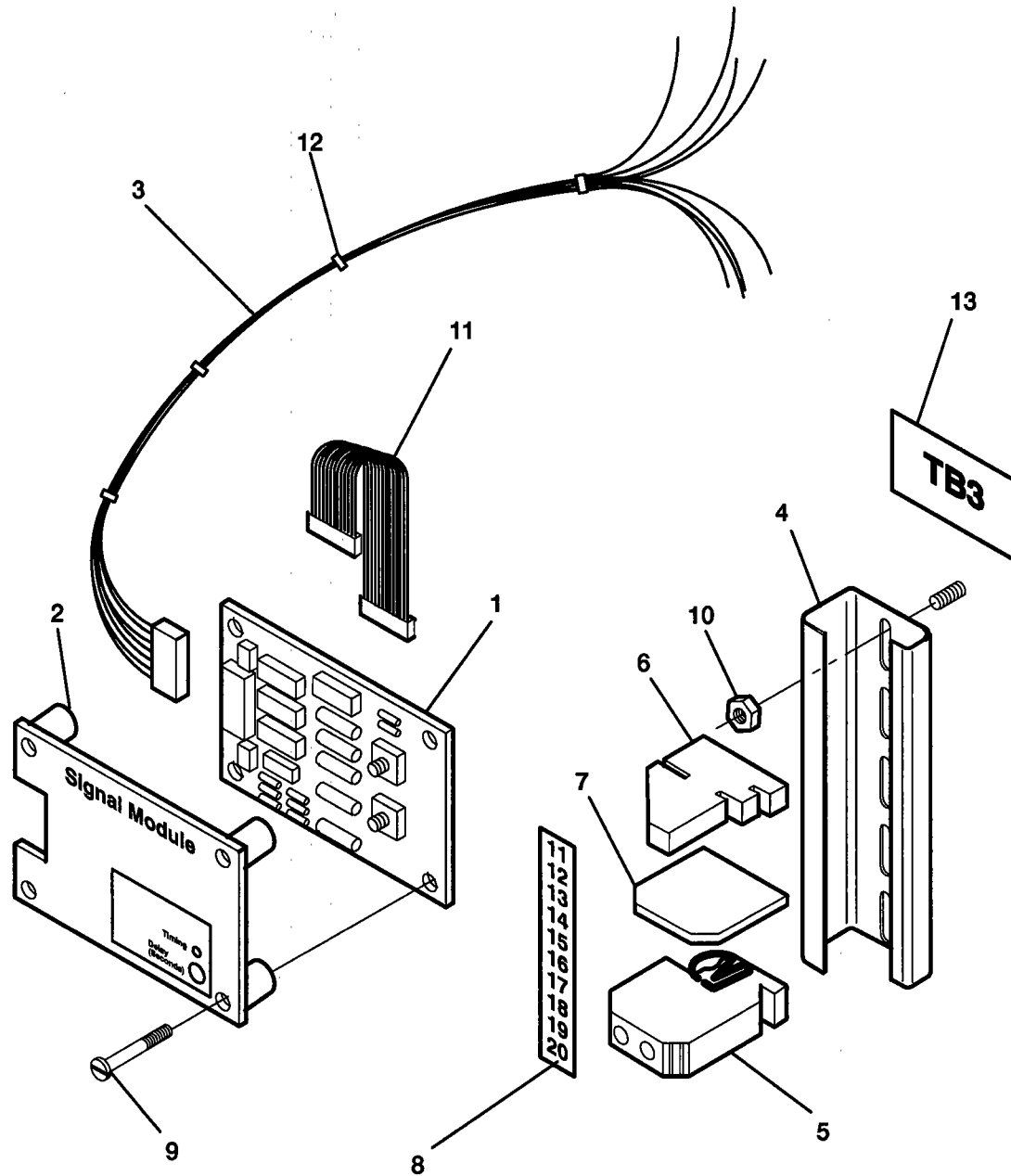
Battery Charger (10 Amp 24 Volt)



Battery Charger (10 Amp 24 Volt)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	098-4339	1	Label, Option	14	321-0127	1	Fuse, 15 Amp
2			Harness, Wiring – Battery Charger	15			Transformer (Primary Voltage)
	338-2161	1	Units with Cabinet		315-0701	1	60 Hertz
			Open Construction		315-0701	1	120 Volt
	338-2949	1	Genset to Genset		315-0701	1	208 Volt
	338-2161	1	Utility to Genset		315-0707	1	240 Volt
	338-2983	1	3 Wire Start		315-0709	1	380 Volt
3	870-0131	4	Nut, Lock W/ET (#10-32)		315-0711	1	480 Volt
4	332-2777	2	Terminal, Spade				600 Volt
5	332-2420	8	Mount, Tie – Cable		315-0703	1	50 Hertz
6	332-0942	20	Tie, Cable		315-0705	1	200 Volt
7	319-0072	1	Wrapper, Charger – Battery		315-0713	1	220 Volt
8	319-0073	1	Cover, Charger – Battery		315-0715	1	240 Volt
			Label		315-0715	1	347 Volt
	098-5914	1	5.0 Amp		315-0703	1	380 Volt
	098-5915	1	4.5 Amp		315-0703	1	400 Volt
	098-5916	1	2.5 Amp		315-0705	1	416 Volt
	098-5997	1	2.0 Amp		315-0705	1	440 Volt
	098-5998	1	1.5 Amp	16	300-3244	1	Board, Printed Circuit – Battery Charger
9	302-1844	1	Meter, Ampere – DC	17	305-0653	1	Rectifier, Bridge
10	338-2223	1	Harness, Wiring – Battery Charger	18	821-0040	4	Screw, Lock (#10-32 x 5/16)
				19	815-0550	8	Screw, Pan Head W/ET (#6-32 x 3/8)
11	321-0237	2	Holder, Fuse (AC Input)				Screw, Pan Head (#8-32 x 1/2)
12	321-0104	1	Holder, Fuse (DC Output)	20	822-2048	5	Rectifier, SCR
13			Fuse	21	305-0781	1	Screw, Pan Head W/ET (#8-32 x 5/8)
	321-0304-02	2	1.5 Amp	22	822-2049	1	Nut, Lock W/ET (#8-32)
	321-0304-03	2	2.0 Amp				Instruction Sheet
	321-0304-04	2	2.5 Amp	23	870-0221	5	
	321-0304-05	2	4.5 Amp	24	C-0308	1	
	321-0304-06	2	5.0 Amp				

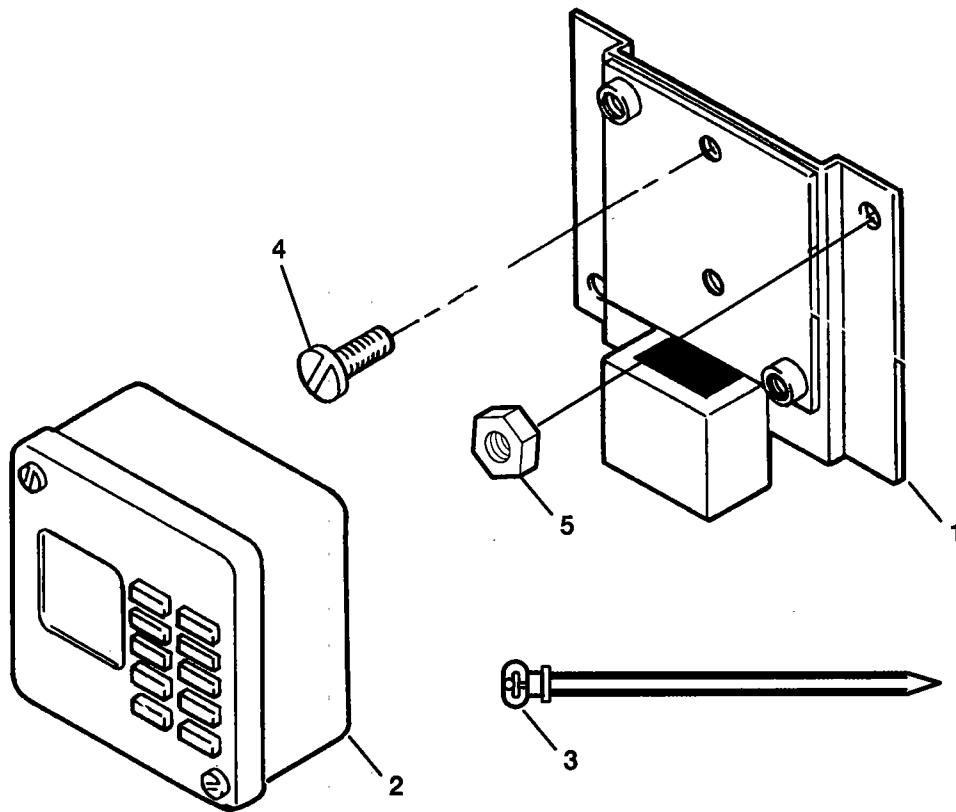
Elevator Signal



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3096	1	Board, Printed Circuit - Elevator Signal (Includes Fuses)
	321-0174	5	Fuse, 5 Amp 250 Volt (F1-F5)
2	301-9932	1	Cover, Signal - Elevator (Includes Label)
3			Harness, Wiring - Elevator Signal
	338-2141	1	Spec G
	338-2140	1	Spec H & J
4	332-2837-09	1	Rail, Terminal
5	332-2836-02	2	Block, Terminal - Sectional
6	332-2839	2	Bracket, End - Terminal

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	332-2841	1	Plate, End - Terminal Tag, Terminal
8	332-2842-12	2	Spec G (11-20)
	332-2842-13	2	Spec H & J (21-30)
9	815-0680	4	Screw, Pan Head Recessed W/ET (#6-32 x 1)
10	870-0221	2	Nut, Lock W/ET (#8-32)
11	323-1409	1	Pin and Ribbon Assembly
12	332-0942	10	Tie, Cable
13	098-5710	1	Label, Block - Terminal Tag, Terminal (21-30) (Not Illustrated)
	332-2842-13	2	

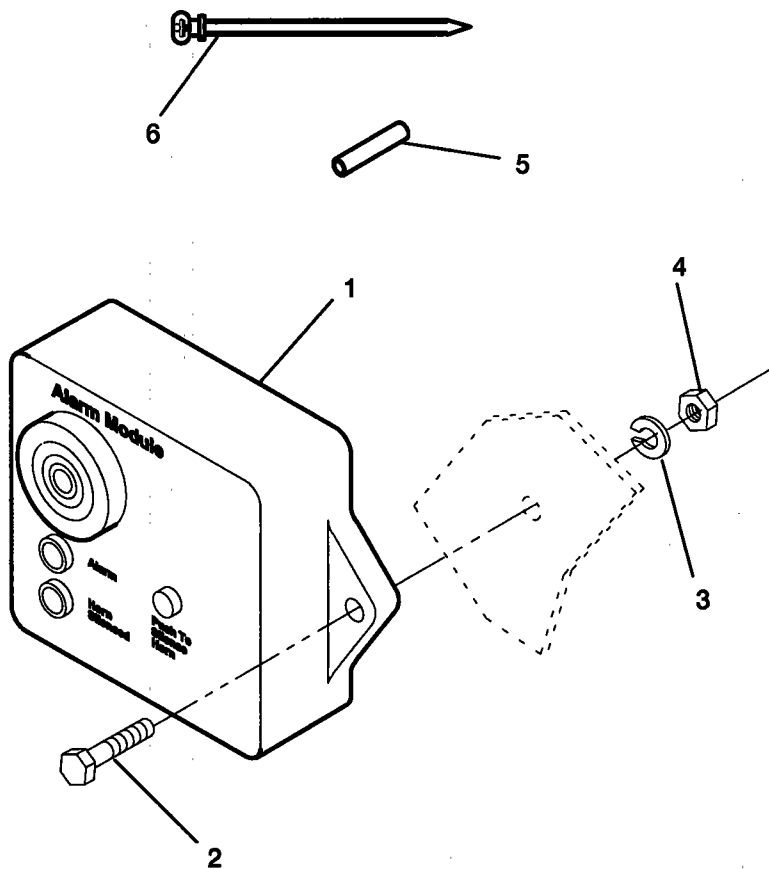
Exerciser Clock



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	301-9768	1	Plate, Clock -- Exerciser
2	307-2577	1	Clock, Exerciser
3	332-0942	10	Tie, Cable

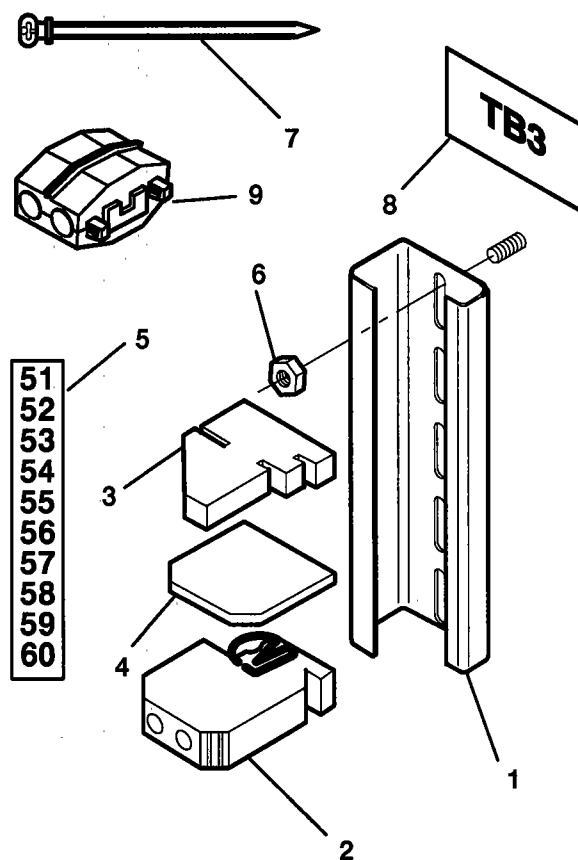
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	815-0550	2	Screw, Machine -- Round Head Cross Recessed W/ET (#6-32 x 3/8)
5	870-0131	2	Nut, Lock W/ET (#10-32)

Alarm Module



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3998-01	1	Module, Alarm	4	862-0001	2	Nut, Hex (1/4-20)
	300-3998-02	1	24 Volt AC or DC	5	332-2230	2	Splice, Inline (22-18 Wire)
			12 VDC	6	332-0942	3	Tie, Cable
2	800-0006	2	Screw, Cap - Hex Head		539-1344	1	Template, Module - Alarm (Not Illustrated)
			(1/4-20 x 7/8)				
3	850-0040	2	Washer, Lock (1/4)				

Remote Connection Signal



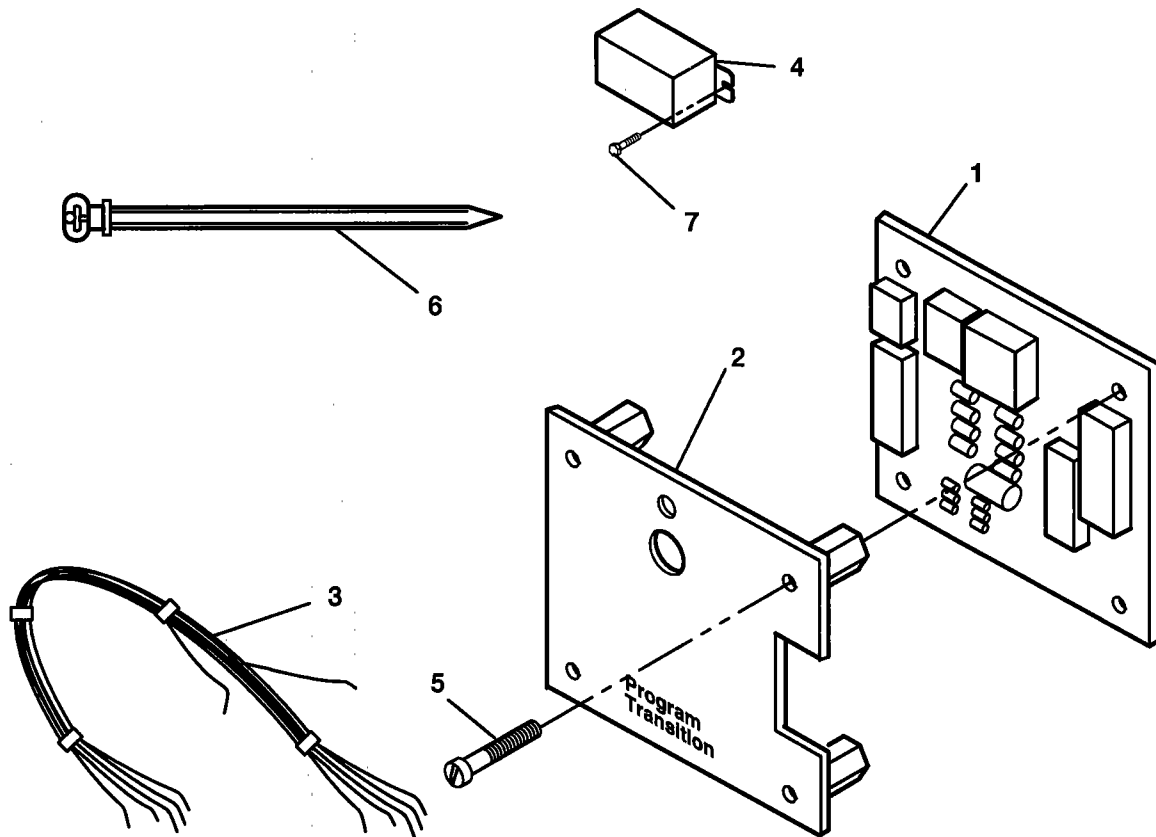
REF NO.	PART NO.	QTY USED
1	332-2837-09	1
2	332-2836-01	2
3	332-2839	2
4	332-2841	1
5	332-2842-16	2

PART DESCRIPTION
Rail, Terminal
Block, Terminal – Sectional
Bracket, End – Terminal
Plate, End – Terminal
Tag, Terminal (51-60)

REF NO.	PART NO.	QTY USED
6	870-0221	2
7	332-0942	10
8	098-5710	1
9	332-2230	2

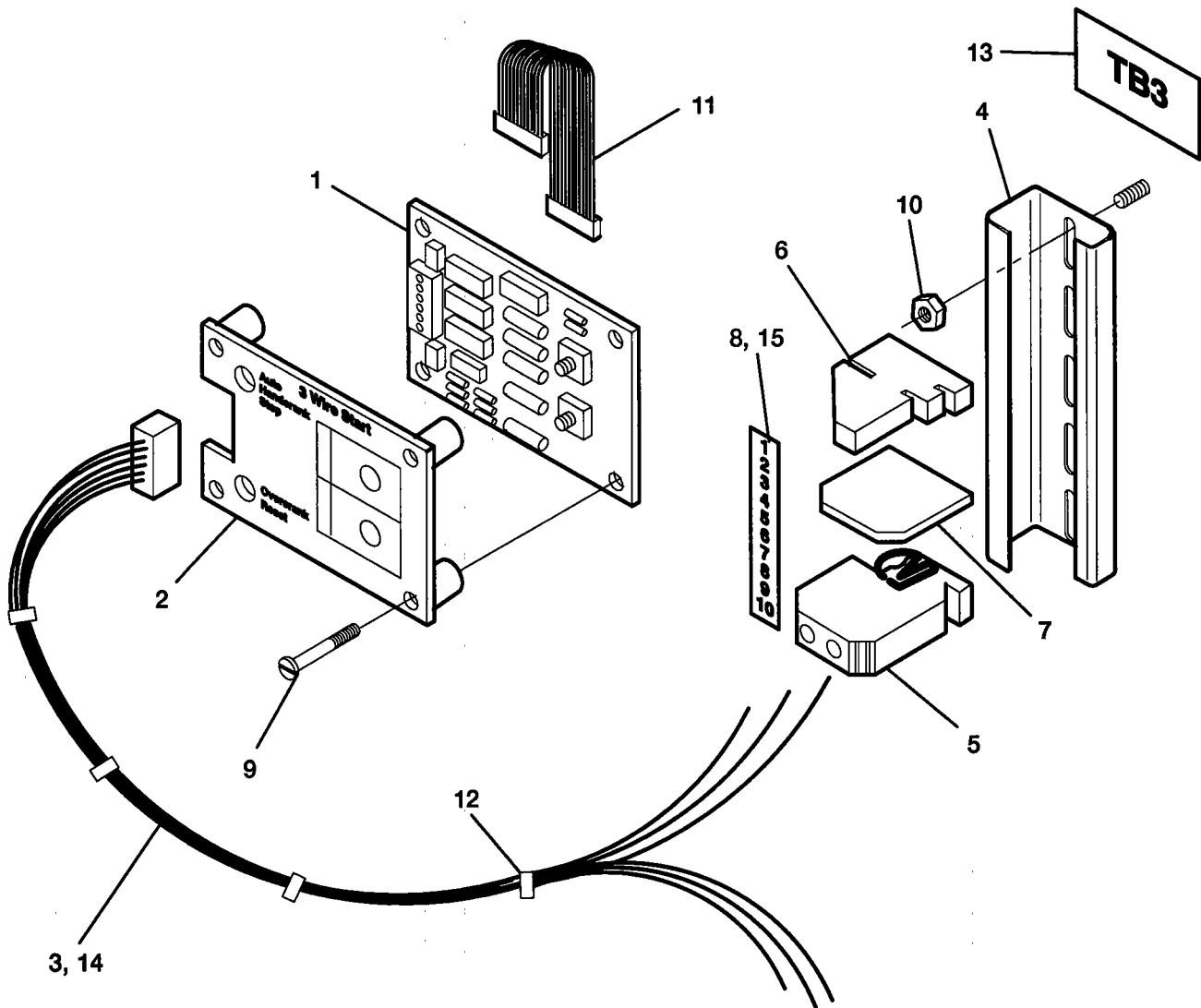
PART DESCRIPTION
Nut, Hex w/ET (#8-32)
Tie, Cable
Label, Block – Terminal
Terminal, Tap – Plier

Programmed Transition



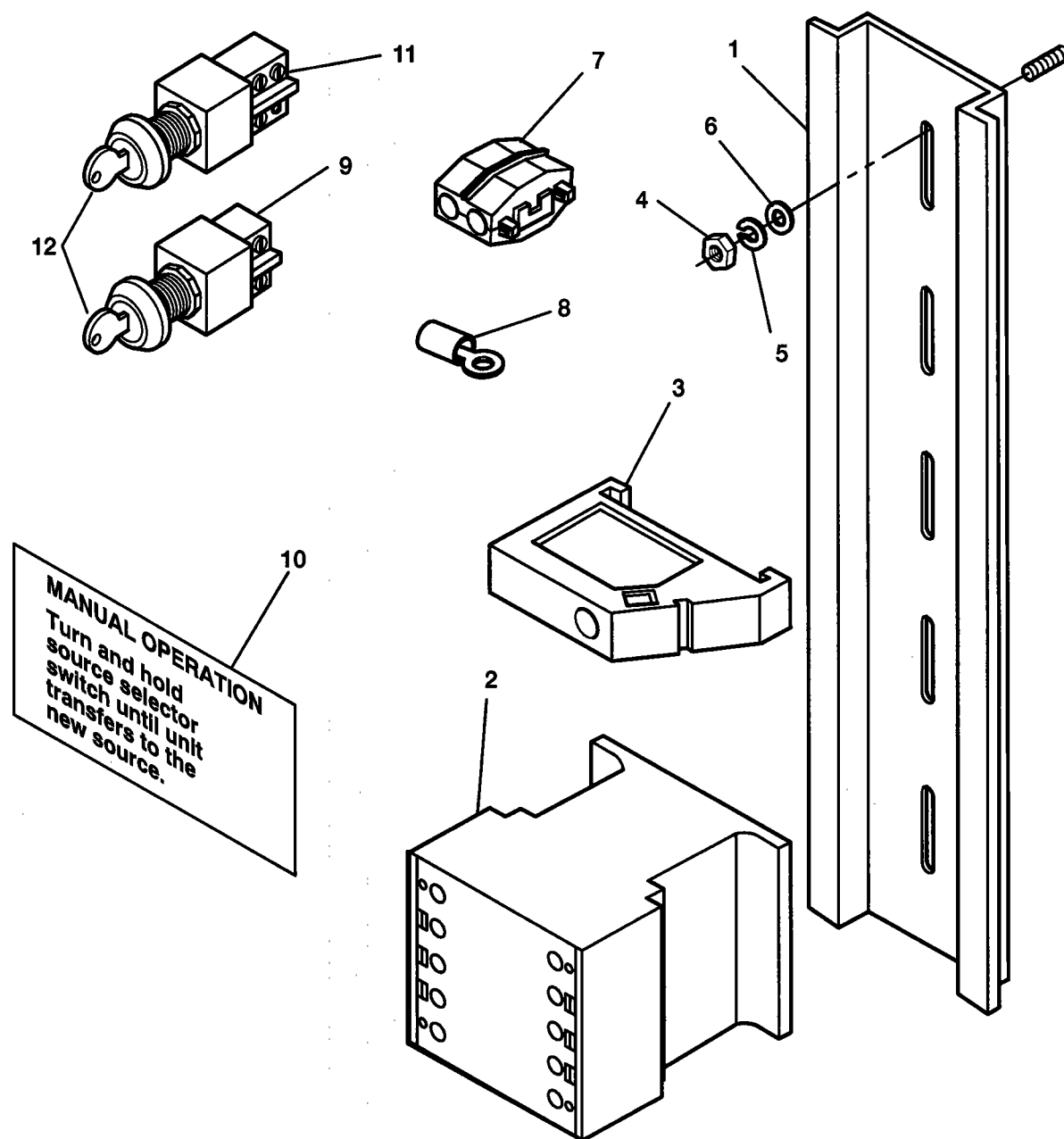
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit – Programmed Transition	4	307-2591	1	Relay, Programmed Transition (K3)
	300-3115-01	1	07.5 Seconds	5	815-0680	4	Screw, Machine – Pan Head Cross Recessed W/ET (#6-32 x 1)
	300-3115-02	1	60.0 Seconds	6	332-0942	8	Tie, Cable
2			Cover, Programmed Transition (Includes Silkscreen)	7	815-0550	2	Screw, Pan Head – Recessed W/ET (#6-32 x 3/8)
	301-9928-01	1	07.5 Seconds				
	301-9928-02	1	60 Seconds				
3	338-2139	1	Harness, Wiring – Programmed Transition				

2 to 3 Wire Convertor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Board, Printed Circuit - 2 to 3 Wire Convertor	8	332-2842-11	2	Tag, Terminal (1-10)
	300-3095	1	Spec G & H	9	815-0680	4	Screw, Pan Head - Recessed W/ET (#6-32 x 1)
	300-4054	1	Spec J	10	870-0221	2	Nut, Lock W/ET (#8-32)
2	319-1502	1	Cover, Start - 3 Wire (Includes Label)	11	323-1408	1	Pin and Ribbon Assembly
3			Harness, Wiring - 3 Wire Start	12	332-0942	12	Tie, Cable
	338-2142	1	Units with Cabinet	13	098-5710	1	Label, Block - Terminal
	338-2987	1	Open Construction	14	338-2993	1	Harness, Wiring (Open Construction - Utility to Genset Only)
4	332-2837-09	1	Rail, Terminal	15	332-2842-14	2	Tag, Terminal (31-40) (Open Construction - Utility to Genset Only)
5	332-2836-02	1	Block, Terminal - Sectional				
6	332-2839	2	Bracket, End - Terminal				
7	332-2841	1	Plate, End - Terminal				

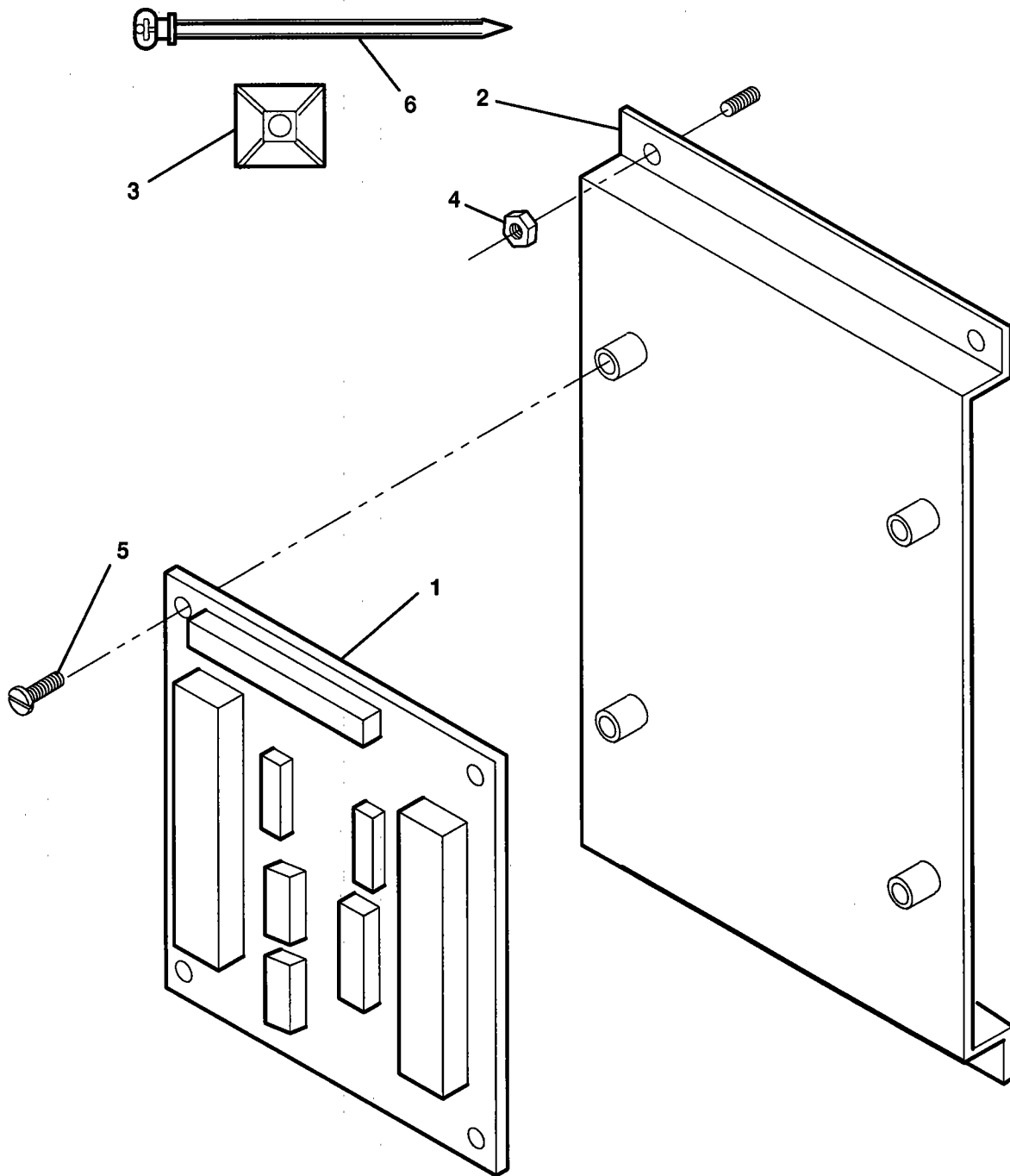
Remote Retransfer



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2879-02	1	Rail, Relay
2	307-2578	2	Relay, Control
3	332-2878	2	Bracket, End - Terminal
4	860-0008	2	Nut, Hex (#8-32)
5	853-0005	2	Washer, Lock - ET (#8)
6	526-0003	2	Washer, Flat (#8)

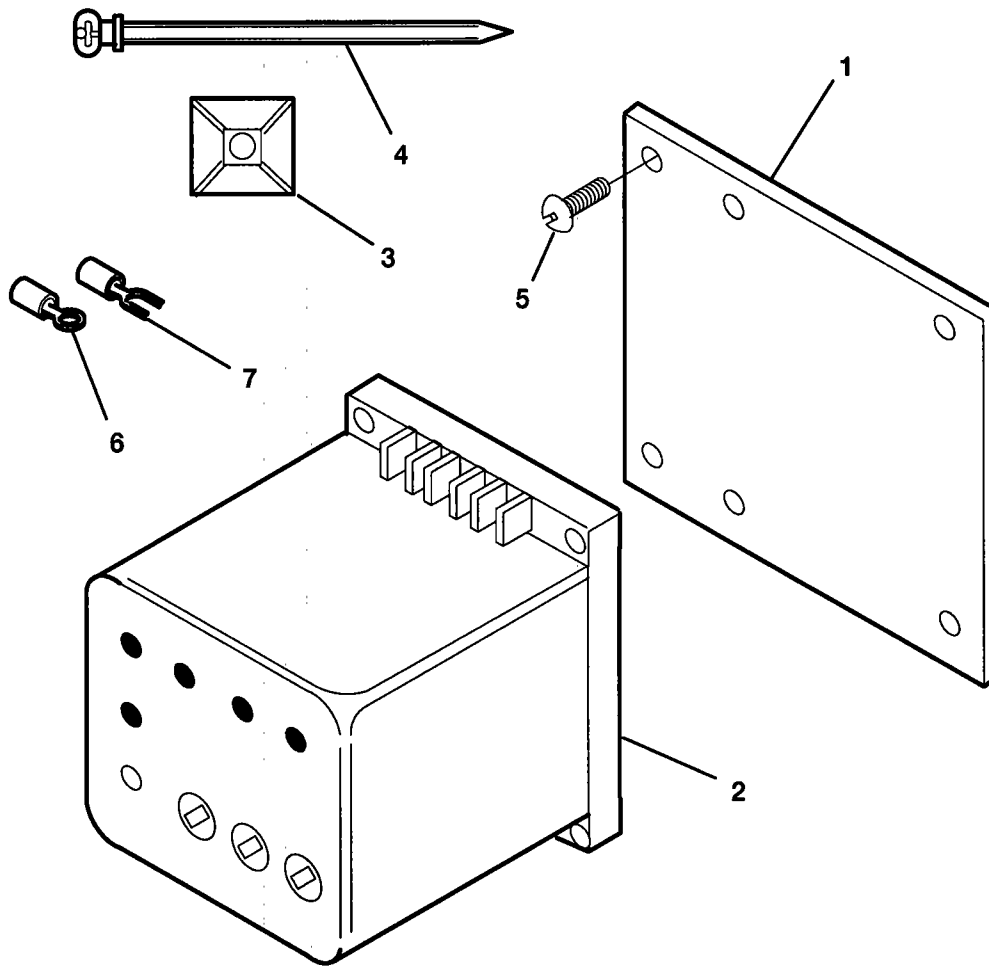
REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	332-2230	2	Terminal, Tap - Plier
8	332-0802	2	Terminal, Ring (#8)
9	308-0957	1	Switch, Selector (S12)
10	098-6561	1	Label, Operation
11	308-0955	1	Switch, Selector (S14)
12	308-0989	A/R	Key, Replacement

Sequencer



REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3893-01	1	Board, PC - Sequencer	4	870-0131	4	Nut, Hex w/ET (#10-32)
	300-3893-02	1	12 Volt	5	815-0550	4	Screw, Pan Head - Cross
2	319-1208	1	24 Volt				Recessed w/ET (#6-32 x 3/8)
3	332-2420	10	Plate, Mounting - Sequencer	6	332-0942	20	Tie, Cable
			Mount, Tie - Cable				

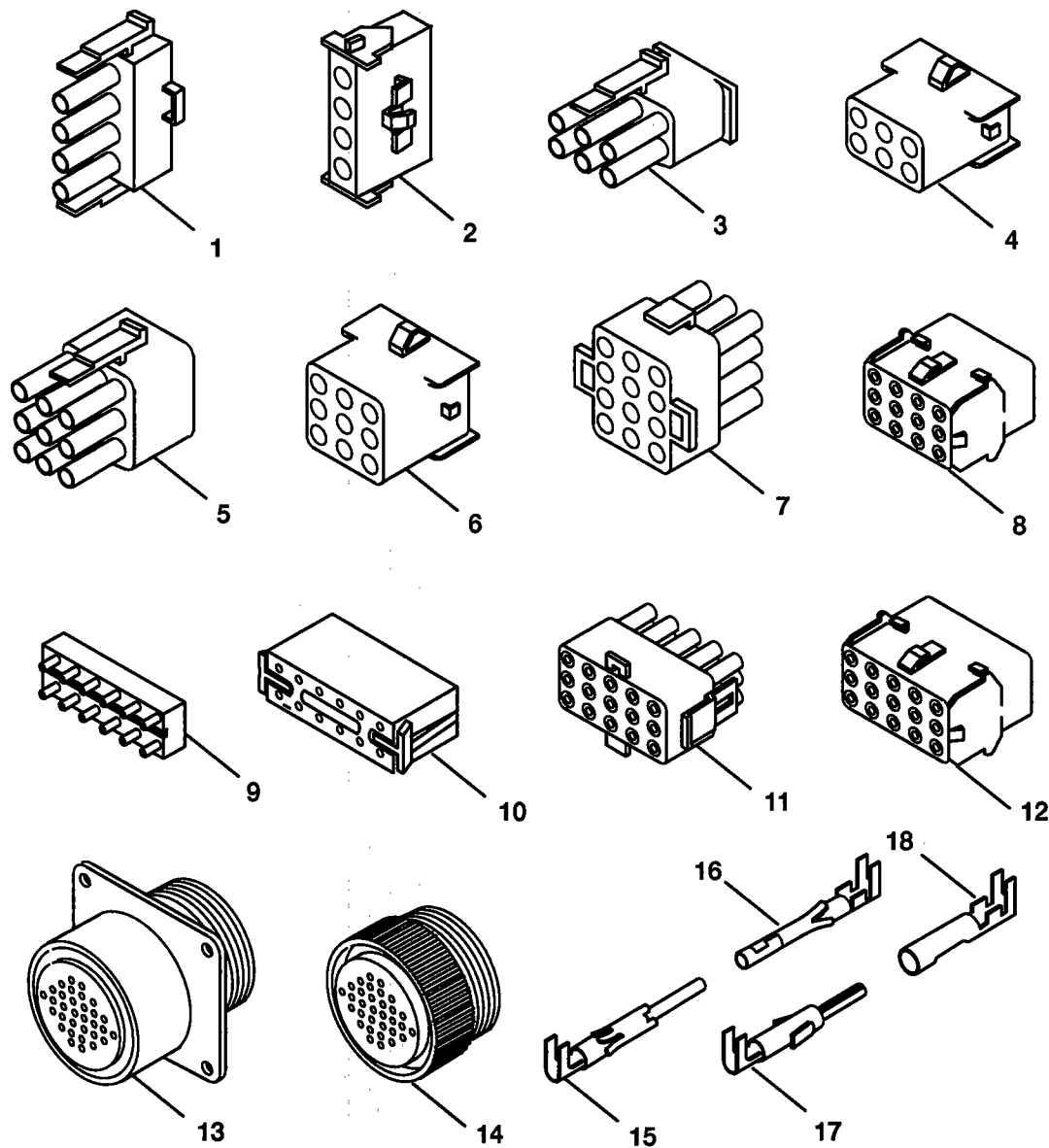
Monitor



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-0976-00	1	Plate, Relay
2	307-2801-01	1	Relay, Monitor
	307-2801-02	1	240 VAC
	307-2801-03	1	380 VAC
	307-2801-03	1	480 VAC
3	332-2420	5	Mount, Tie - Cable

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	332-0941	15	Tie, Cable
5	815-0544	6	Screw, Round Head w/IT (#6-32 x 1/2)
6	332-0801	3	Terminal, Ring (#6)
7	332-2630	7	Terminal, Spade (#6)

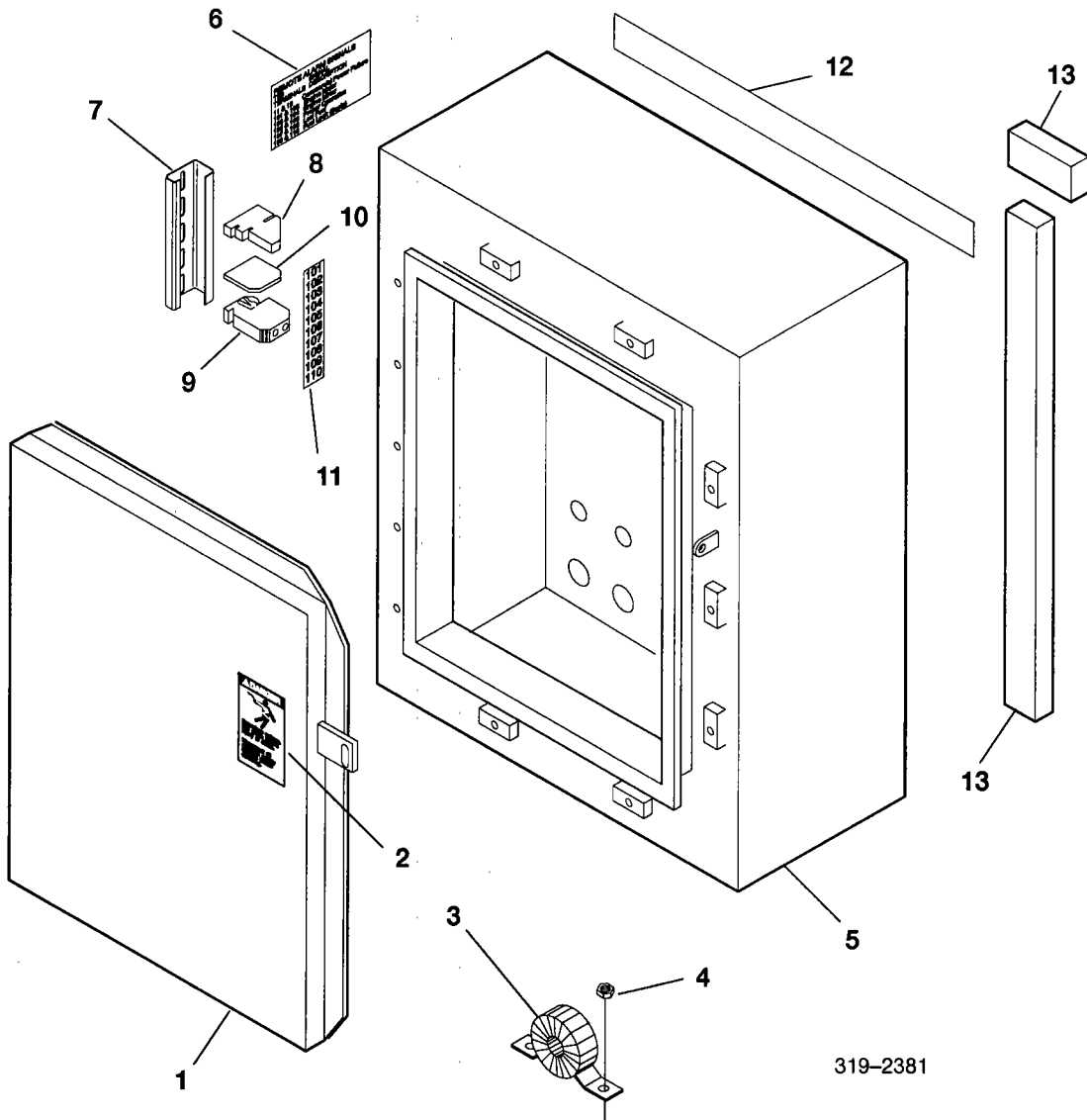
Pins and Sockets



REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	323-1292	1	Housing, Pin - 4
2	323-1333	1	Housing, Socket - 4
3	323-1317	1	Housing, Pin - 6
4	323-1318	1	Housing, Socket - 6
5	323-1291	1	Housing, Pin - 9
6	323-1325	1	Housing, Socket - 9
7	323-1314	1	Housing, Pin - 12
8	323-1315	1	Housing, Socket - 12
9	323-0983	1	Housing, Pin - 12
10	323-0984	1	Housing, Socket - 12
11	323-1252	1	Housing, Pin - 15
12	323-1253	1	Housing, Socket - 15
13	323-1207	1	Housing, Pin - 24
14	323-1206	1	Housing, Socket - 24
15	323-1194	1	Pin, Contact (Used with Circular

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
16	323-1195	1	Housings) (18-14 AWG) Socket, Contact (Used with Circular Housings) (18-14 AWG)
17	323-1199	1	Pin, Contact (Used with Rectangular Housings) (20-14 AWG)
18	323-1200	1	Socket, Contact (Used with Rectangular Housings) (20-14 AWG)
			Strain Relief (Not Illustrated)
	323-1158	1	15 Pin
	323-1316	1	12 Pin
	323-1208	1	9 Pin

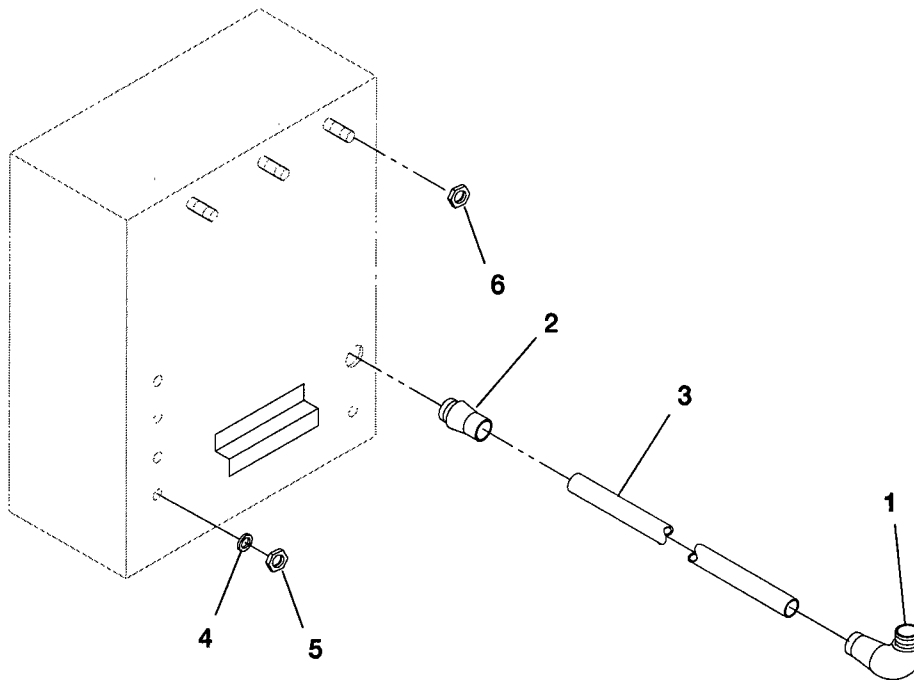
Cabinet (Set Mounted Switch)



319-2381

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	319-2333	1	Door, Cabinet	8	332-2839	2	Bracket, End
2	098-5387	1	Label, Danger	9	332-2836-02	1	Block, Terminal -- Sectional
3	302-1984-04	2	Transformer, Current	10	332-2841	1	Plate, End -- Terminal
4	870-0131	4	Nut, Hex -- W/ET (#10)	11	332-2842-23	1	Tag, Terminal (101 - 110)
5	319-2483-01	1	Cabinet	12	895-0308	20"	Tape -- Polyurethane
6	098-6895	1	Label, Alarm	13	895-0172	7"	Tape, Neoprene
7	332-3356	1	Rail, Terminal				

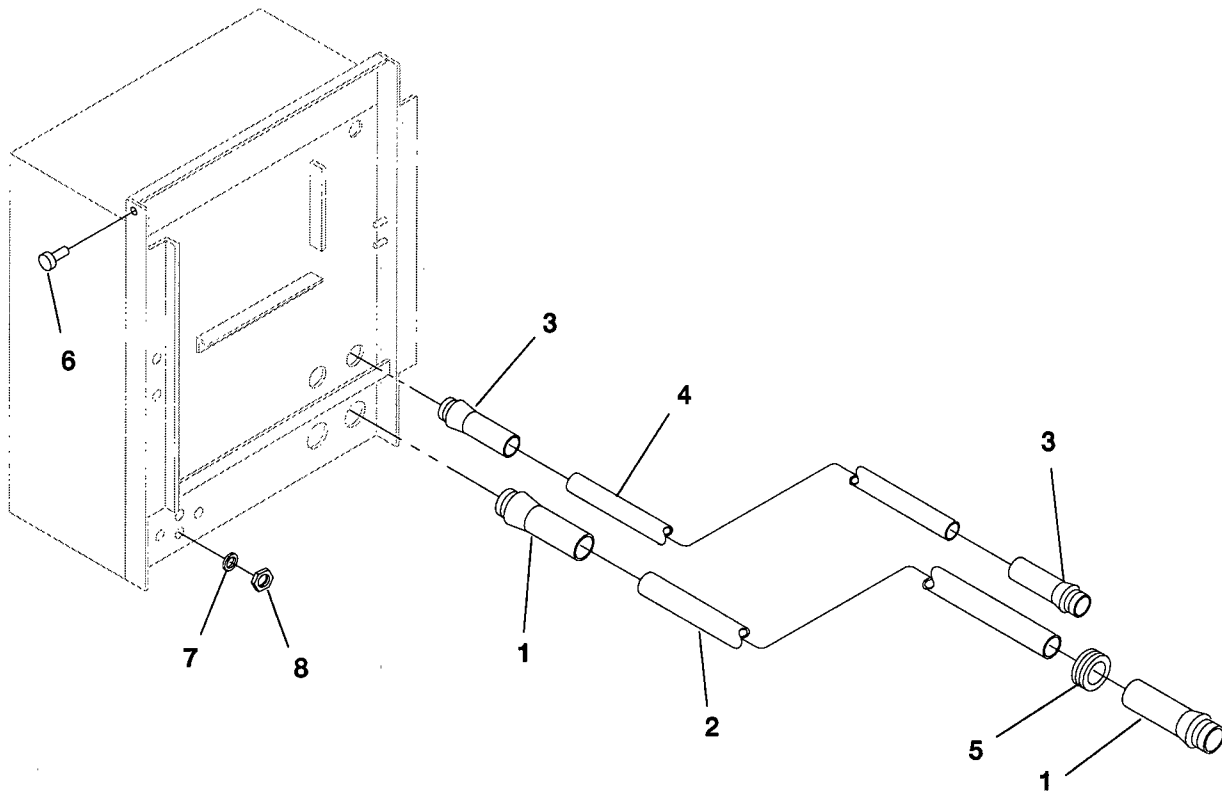
Connecting Hardware (Set Mounted Switch) (Diesel Sets)



539-1603

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	331-0548	1	Connector, Liquidtite	4	331-0544	5	Washer, Sealing
2	331-0546	1	Connector, Liquidtite (1)	5	331-0543-02	5	Nut, Locking
3	331-0549	1	Conduit, Liquidtite (2' long)	6	870-2055	3	Nut, Lock - Flange (M8 x 1-1/4)

Connecting Hardware (Set Mounted Switch) (20 & 25 kW Gas Sets)

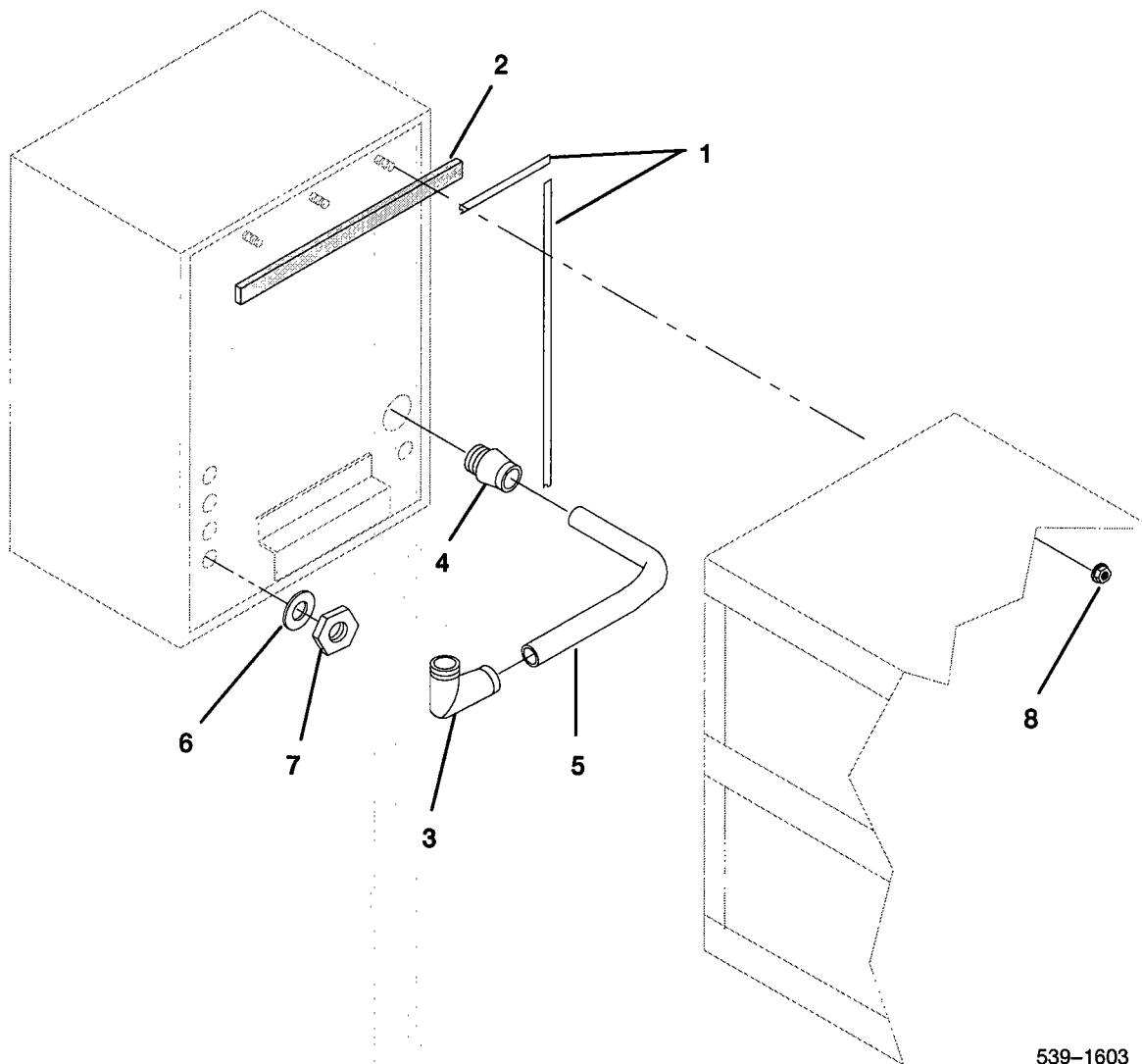


539-1573

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	331-0547	4	Connector, Liquidtite (1-1/2)
2	331-0550	2	Conduit, Liquidtite (54" long)
3	331-0546	2	Connector, Liquidtite (1)
4	331-0549	1	Conduit, Liquidtite (54" long)
5	508-0210	A/R	Grommet, Channel Edging

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
6	815-0858-01	8	Screw, Flange Head (M8 x 1-1/4 x 16)
7	331-0544	4	Washer, Sealing
8	331-0543-02	4	Nut, Locking

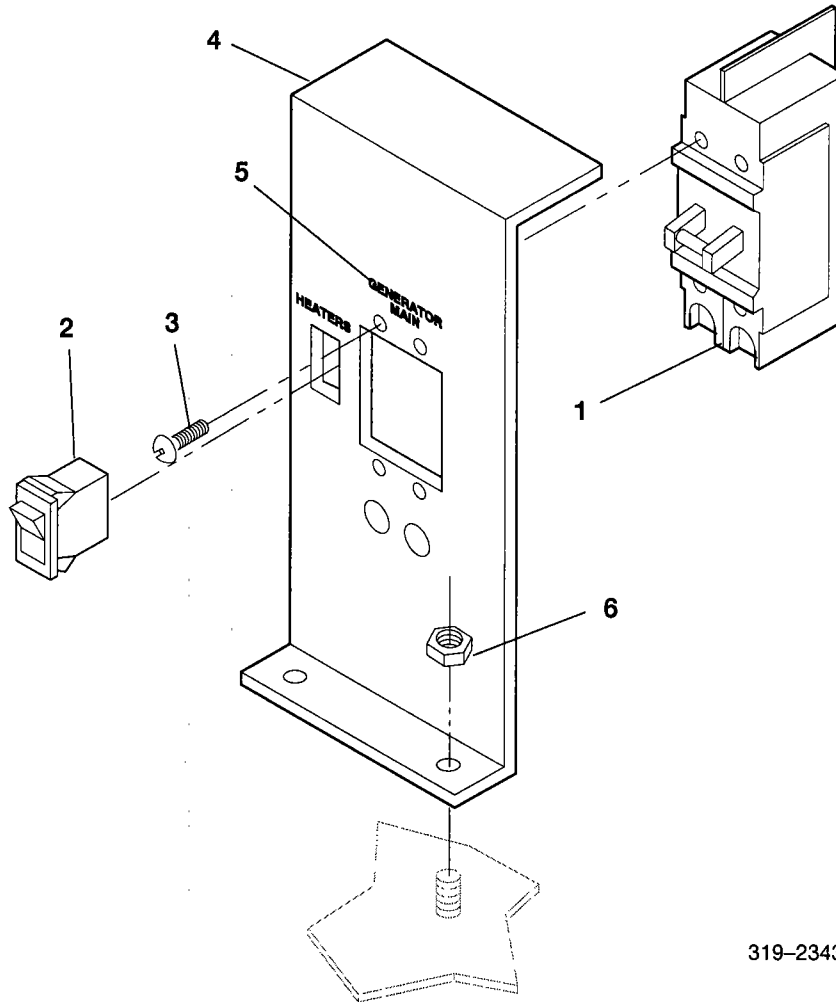
Transfer Switch (10 kW Gas Sets)



539-1603

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	895-0172	—	Tape, Sealing — Bulk (11/16" Thk x 1-1/4" Wide) (Order by the foot — 7 feet required)	5	331-0549	—	Conduit — Bulk — Liquid Tight (1") (Order by the foot — 2 feet required)
2	895-0308	—	Tape, Sealing — Bulk (1/8" Thk x 1" Wide) (Order by the foot — 2 feet required)	6	331-0544	5	Washer, Sealing
3	331-0548	1	Connector, Elbow — 90 Deg — Liquid Tight (1")	7	331-0543-02	5	Nut, Locking — Liquid Tight (1/2")
4	331-0546	1	Connector — Liquid Tight (1")	8	870-2055	3	Nut, Locking — Flange Head (M8)

Circuit Breakers (Set Mounted Switch)



319-2343

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
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2	320-1140	1	Breaker, Circuit – Heaters	5	098-6879	1	Label, Circuit Breakers
3	812-0060	4	Screw, Machine – Round Head (#6-32 x 5/16)	6	870-0232	2	Nut, Hex – W/ET (1/4)

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